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CONTENTS

RECON User's Manual Revision

Correction

SPECIFY-FORMAT Command

QUERY Command

Text Search "Stop Words"

From Your RECON Coordinators

New Users

RECON User's Manual
Revisions

The NASA/RECON System User's Manual, Complete Version, Revision 2, has been undergoing an extensive revision to provide an up-to-date, more comprehensive reference for all NASA/RECON users - NASA Centers, Industrial Applications Centers, and NASA Contractors. Originally scheduled for publication in October 1978, the volume and extent of the revisions indicate that the earliest possible publication date will be the end of January 1979.

Correction

In the previous Bulletin, Boulder Laboratories was mistakenly associated with EPA. Boulder Laboratories is affiliated with NOAA - National Oceanic and Atmospheric Administration.

SPECIFY-FORMAT
Command

The SPECIFY-FORMAT command provides NASA/RECON users with the flexibility to tailor the content and order of citation data output from the DISPLAY, TYPE, or PRINT commands. The user can specify the citation fields of interest that he desires to display, type, or print, thus omitting the irrelevant fields. In large searches, this action will reduce the volume of overnight printouts (Format 4 with the PRINT command) or the size of a display (Format 5 with the DISPLAY or TYPE command). SPECIFY-FORMAT designations are only valid when used with Formats 4 and 5, DISPLAY, TYPE, or PRINT commands.

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RECON operational problems may be directed to the RECON coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland. (Telephone: (301)-796-5300 or (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546

SPECIFY-FORMAT Command
(continued)

Some words of advice for using the SPECIFY-FORMAT command may be helpful. First, SPECIFY-FORMAT does not reorder the items in a set, only the fields within the items. Second, if you decide to use SPECIFY-FORMAT to format overnight printout, then check and verify that the desired fields are included with a DISPLAY or TYPE command. If, for example, each of 5 sets in a search is to be printed in a different format, an END-SEARCH must be used after the PRINT command is completed. The desired SPECIFY-FORMAT command must be entered for the next set and, after the PRINT command is completed, another END-SEARCH command is used, etc. If the END-SEARCH command is not used, the last format specified would apply to all of the 5 sets.

Full details concerning the syntax and usage of SPECIFY-FORMAT are contained in Chapter 5, NASA/RECON System User's Manual, Complete Version.

QUERY Command

A new capability is being added to NASA/RECON that enables users to save search command lists, modify them if desired, and reexecute them at a later date. This means that similar or even identical searches may be reexecuted without requiring reentry of all commands. This capability is supported by the new QUERY command.

The QUERY command operates in three principle modes:

- The CREATE mode for creating a new search,
- The EDIT mode for modifying a previously created search, and
- The EXECUTE mode for executing a previously created and stored search or the search currently being created or modified.

Details concerning the QUERY command, its subcommands, and modes of operation are too voluminous to be included in this bulletin. However, complete details are included in the forthcoming revision of the NASA RECON System User's Manual, Complete Version.

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t Search "Stop
ds"

During the creation of indexes for text fields, certain words were determined to be irrelevant and excluded from the indexes. Therefore, the use of one of these words in a text SELECT (single word, phrase, or proximity) will be treated as if it were not entered.

The "Stop Word" list for text (abstract and title families) fields in the primary data base is shown below. Sorted alphabetically by word size, the list contains 187 entries. Stop Words are considered "insignificant" or "function" words. A search on the expression "Vitamin A" in a title or abstract will yield all documents textually indexed by vitamin only because "A" is a stop word.

S AX/VITAMIN
RECEIVED: S AX/VITAMIN
2 62 92 AX/VITAMIN

ENTER:
S AX/'VITAMIN A'
RECEIVED: S AX/'VITAMIN A'
3 62 92AX/VITAMIN

ENTER:
S UTP/VITAMIN
RECEIVED: S UTP/VITAMIN
4 40 41 UTP/VITAMIN

ENTER:
S UTP/'VITAMIN A'
RECEIVED: S UTP/'VITAMIN A'
5 40 41 UTP/VITAMIN

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OF 1011 PAGES

Note how the SELECT command ignored the stop word "A".

| | | | | | |
|-----|------|-------|--------|---------|-------------------|
| A | HOW | HERE | BEING | BESIDE | USUALLY |
| AN | ITS | INTO | COMES | CANNOT | WHEREAS |
| AS | NOR | MADE | COULD | COMING | WHEREOF |
| AT | NOT | MAKE | DOING | DESIGN | WHETHER |
| BE | NOW | MORE | EVERY | DURING | ALTHOUGH |
| BY | OFF | MUST | GIVEN | GIVING | ANYTHING |
| CO | ONE | MUCH | GIVES | HAVING | BIWEEKLY |
| DO | OWN | MUST | GOING | HEREBY | BRINGING |
| ET | PAR | NEED | MAKES | HEREIN | PRESENTS |
| GO | PER | NOTE | NEEDS | INDEED | REPORTED |
| HE | SAY | ONLY | OTHER | LATELY | RESULTED |
| IF | SEE | SEEN | PRESS | LIKELY | ACCORDING |
| IN | SHE | SHOW | QUITE | MAKING | ADDRESSES |
| IS | SIT | SOME | SHALL | NEEDED | AVAILABLE |
| IT | SUB | SUCH | SHOWN | NUMBER | BIMONTHLY |
| ME | THE | THAN | SHOWS | OTHERS | DESCRIBED |
| MY | TOO | THAT | THEIR | PERIOD | PRESENTED |
| NO | USE | THEM | THERE | RATHER | RESULTING |
| OF | VIA | THEN | THESE | REALLY | SOMETHING |
| OK | WAS | THEY | THOSE | REPORT | THEREFORE |
| ON | WHO | THIS | TIMES | RESULT | WHICHEVER |
| OR | WHY | THUS | TOTAL | SHOWED | THROUGHOUT |
| SO | YOU | TIME | UNDER | SYSTEM | ACCORDINGLY |
| TO | ALSO | USED | USING | ANOTHER | ASSOCIATION |
| UP | ASKS | USER | WHERE | AUTHORS | FORTHCOMING |
| US | BEEN | USES | WHICH | BECAUSE | NEVERTHELESS |
| WE | CAME | VERY | WHILE | BECOMES | AUTHOR-IDENTIFIED |
| ALL | COME | WANT | WHOSE | HOWEVER | |
| AND | CORP | WELL | WOULD | PERHAPS | |
| ANY | DATA | WENT | YOURS | REPORTS | |
| ARE | DEPT | WERF | ALMOST | RESULTS | |
| ASK | DOES | WHAT | ALWAYS | SHOWING | |
| BUT | DONE | WHEN | AND/OR | SITTING | |
| CAN | EACH | WHOM | AROUND | SYSTEMS | |
| DID | GAVE | WILL | ASKING | THEREBY | |
| DUE | GETS | WITH | AUTHOR | THEREIN | |
| FOR | GIVE | ABOUT | BECAME | THEREOF | |
| GET | GOES | AGAIN | BECOME | THEREON | |
| HAD | GONE | ALONG | BEFORE | THERETO | |
| HAS | HAVE | ASKED | BEHIND | THROUGH | |

The next RECON bulletin will contain the Stop Word list for the NASA Library Network Books collection.

From Your RECON
Coordinators

- If your terminal is inoperative for more than 5 or 10 minutes, please call the RECON Coordinators for assistance.
- Please inform the RECON Coordinators if you place a service call for UNIVAC or Bunker-Ramo terminals.
- Note that the printed search output is now being produced in two columns on the Xerox 1200. If you have any comments about the new format, please contact us.

New Users

Three new NASA/RECON users have been added in recent months. It is a pleasure to welcome the Goddard Institute for Space Studies, the National Space Technology Laboratories, and the Center for Applied Engineering Management at the University of Missouri at Rolla.

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National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

79/2

FEBRUARY 1979

CONTENTS

PAGE

| | |
|---|----|
| SEARCH-EXPRESSION, A New RECON Command | 1 |
| Root Search | 5 |
| Text Searching Using Numeric Words | 5 |
| Library Network "Stop Words" | 7 |
| New RECON Fields for the Standard File Collection (D) | 10 |
| ASRDI Searching in File Collection D | 12 |
| From Your RECON Coordinators | 12 |

SEARCH-EXPRESSION, A New RECON Command

A new command has been added to the NASA/RECON System called SEARCH-EXPRESSION or the SEARCH command. This capability will increase greatly the ease of using RECON by allowing users to perform complex searches in one command, using a syntax more like the English language.

For example, the user can enter the following command:

SEARCH CELESTIAL: AND STARS NOT (SATELLITES OR MOON)

RECON will scan the SEARCH argument and break it down into simple SELECT commands and a COMBINE command and generate the following sets:

| | | | | |
|---|------|------|----------------------|----------------|
| 1 | 3342 | 3342 | ST/CELESTIAL BODIES | ST/CELE |
| | | | STIAL SPHERE | ROOT/CELESTIAL |
| 2 | 1002 | 1002 | ST/STARS | |
| 3 | 521 | 521 | ST/SATELLITES | |
| 4 | 1070 | 1070 | ST/MOON | |
| 5 | 130 | 130 | 1 AND 2 NOT (3 OR 4) | |

Included in this bulletin is a description of the SEARCH command capabilities and a general guide for using the command. A more complete user's guide will be included in the next update to the RECON User's Manual.

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546.

SEARCH-EXPRESSION, A
New RECON Command
(Continued)

The SEARCH command is used to create and/or combine one or more sets, which refer to words, terms, or phrases in the operand. The operand consists of one or more arguments with pairs of arguments connected by operators denoting logical relationships. Searching may be restricted to a specific field by prefixing a field name to essentially any argument. The capabilities of the SEARCH command are tabulated below:

Capability

Word, term, number
E, R, or F reference number
Root
Range
Phrase
Logical AND (boolean intersection)
Logical OR (boolean union)
Logical NOT (boolean negation)
Complex mixtures of all the above capabilities

Following is a table describing the syntax and effect of each of the SEARCH capabilities listed above:

| Command | Operand | Effect |
|---------------|---|---|
| <u>SEARCH</u> | field name/ term, word, or number | Search the specified field for the term, word, or number given (default field if field name/ is omitted). |
| | E, R, or F reference number | Search for term(s) displayed by the last previous EXPAND (FREQUENCY) command. |
| | field name/ root: | Search the specified field for all terms or words beginning with the root supplied (default field if field name/ is omitted). |

SEARCH-EXPRESSION, A
New RECON Command
(Continued)

| Command | Operand | Effect |
|----------------------|---|---|
| <u>SEARCH</u> (CONT) | field name/ item ₁ :item ₂ | Search the specified field (or the default field if field name/ is omitted) for all terms, words, or numbers alphanumerically between and including the given terms, words, or numbers. |
| | field name/ 'phrase' | Search the specified field (or the default field if field name/ is omitted) for all occurrences of the given phrase. |
| | argument or set number, logical operation, argument or set number, and so forth | Search for all records in which the specified arguments occur or which are in the specified sets that also meet the logical combination requirements imposed by the operator(s). |

The operand of the SEARCH command is made up of arguments separated by the logical operators OR, AND, and NOT. The arguments may be words, terms, phrases, set numbers, or any valid operand of the SEARCH command. The operand is limited in length to 63 characters, including blanks. Each of the three operators may be expressed in different ways:

| | |
|-----|---|
| OR | + |
| AND | * |
| NOT | - |

SEARCH-EXPRESSION, A
New RECON Command
(Continued)

Spaces may be left around the operators or omitted, as desired. Parentheses may be used freely for clarity or to force a desired order of processing. In the absence of parentheses, logical operators are processed in the following order:

| | |
|-----|---|
| NOT | - |
| AND | * |
| OR | + |

The SEARCH command may use very complex operands in which each argument itself may be of the form (argument operator argument). Such complex operands are broken down by RECON into a series of simple SELECT commands, each of which results in an intermediate set. These intermediate sets are then operated on as requested to form the final set.

Each argument may consist of any valid SEARCH command operand; essentially, any combination of forms is permitted. The complexity is limited only by the following restrictions:

- The operand is limited to 63 characters, including blanks;
- A maximum of 10 intermediate sets may be formed; and
- Extreme complexity is likely to lead to errors in forming and entering the command and understanding the results.

The sequence in which operators are processed is determined by their processing priority unless modified by the user through parentheses. In the absence of such modification, the order is the following:

- (1) root and range
- (2) NOT
- (3) AND
- (4) OR

SEARCH-EXPRESSION, A
New RECON Command
(Continued)

Operators with the same processing priority are processed from left to right. If parentheses are used, innermost parenthetical expressions are processed first; with a single set of parentheses, the order given above is followed. For clarity extremely complex operands should be avoided, but, if they are necessary, use parentheses.

Certain characters, such as -, : + ' () - & #, the numbers 1 through 99, and certain words (OR, AND, and NOT and RECON commands), are used in the SEARCH command for special purposes. If these special characters and/or words are to be used within an operand as a part of a word, term, or number, the entire item must be enclosed in double quotes.

Proximity searches are not supported in the initial implementation of SEARCH-EXPRESSION and, therefore, should not be used in the SEARCH command.

Root Search

In order to perform range and root searches, a colon (:) must be used instead of the asterisk (*) in the SELECT command argument.

Examples:

```
SELECT MOLECULAR:MOLECULE  
SELECT COMPUT:
```

Text Searching Using
Numeric Words

Numeric "words" may be textually searched if certain rules are observed. Decimal points or periods and other special characters, e.g., slashes and commas, are cast aside by the software. The expression "1.06" becomes two words: 1 and 06.

Example: Conduct search on 1.06-micron lasers in the abstract field.

Method 1

```
ENTER:  
S AX/1 **1 06  
RECEIVED: S AX/1 **1 06
```

```
4      324      369 AX/1 **1 06
```

This is a proximity search where the word "06" must follow the word "1" by one word.

Text Searching Using
Numeric Words
(Continued)

Method 2

ENTER:
S AX/'1 06'
RECEIVED: S AX/'1 06'

5 324 369 AX/1 *+1 06

This is a search on the word phrase 1 06.
Note that the results are the same.

Example: Conduct search on 10.6 micron lasers in the abstract field.

Method 1

ENTER:
S AX/10 *+1 6
RECEIVED: S AX/10 *+1 6

6 605 722 AX/10 *+1 6

Method 2

ENTER:
S AX/'10 6'
RECEIVED: S AX/'10 6'

7 605 722 AX/10 *+1 6

Again, note that the results are the same.

Combining sets 4 and 6, we now have all the documents that mention both types of lasers in their abstracts.

ENTER:
C 4\$6
RECEIVED: C 4\$6

8 34 88 4*6

Excerpts from the 17th document in set 8, containing the highlighting of 1.06 and 10.6, are shown below:

DISPLAY 08/2/17

Text Searching Using
Numeric Words
(Continued)

78N21461# ISSUE 12 PAGE 1579

0.3 MICROSEC PULSES OF ** 10.6 ** MICROMETERS LASER

0.1 NS PULSES OF ** 1.06 ** ** MICROMETERS

Numeric words may be searched in the titles using the mnemonics UTP and ATL. Word phrases cannot be searched when using the all-inclusive commands TX or ATL.

Alphanumeric words may also be searched. References containing data concerning the PH 6 through PH 6.99 range of acidity measurements in fluids (specifically the percentage of hydrogen concentration) may be retrieved by using the appropriate mnemonics to search the titles or the abstracts, as follows:

SELECT AX/PH *+1 6
SELECT UTP/PH *+1 6

Searches on D16 and MA21 alloys may be entered:

S AX/D16
S TX/D16
S UTP/D16
S ATL/D16

S AX/MA21
S TX/MA21
 and so forth

Library Network
"Stop Words"

The "Stop Word" list for the NALNET Books File (File Collection F) is shown below, sorted alphabetically by word size. The use of one of these words in a text SELECT (single word, phrase, or proximity) will be treated as if it were not entered.

Stop Words are considered "insignificant" or "function" words. Examples of title searching with Stop Words are included at the end of the list.

Library Network
"Stop Words"
(Continued)

All single alphabetic characters, A to Z, are included in the Stop Word family for NALNET books.

| | | | | | | | | | |
|----|-----|-----|-----|------|------|-------|--------|--------|---------|
| AB | IX | ALL | HIM | TWO | FIVE | THEM | GIVEN | BEFORE | WEEKLY |
| AL | LA | AND | HIS | TOO | FOUR | THEY | GIVES | BEHIND | WHOLLY |
| AM | LE | ANY | HOW | UNA | FROM | THIS | GOING | BESIDE | WITHIN |
| AN | LO | APR | III | UND | FUER | THUS | JOINT | BETTER | ACADEMY |
| AP | MA | ARE | INC | UNE | GAVE | UBER | MARCH | BRINGS | AGAINST |
| AS | ME | ASK | ITS | UNO | GETS | UPON | NINTH | CANNOT | ALREADY |
| AT | ML | AUF | JAN | VIA | GIVE | VERY | OTHER | COMING | AMERICA |
| AZ | MY | AUG | JUL | VII | GOES | VIII | PRESS | DURING | ANOTHER |
| BE | ND | BEI | JUN | VOL | GONE | WANT | QUITE | EASILY | BECAUSE |
| BY | NO | BIO | LAS | VON | HAVE | WERE | SEVEN | EIGHTH | BELIEVE |
| CE | OB | BUT | LES | WAS | HERS | WENT | SHALL | EITHER | BETWEEN |
| CH | OF | CAN | LOS | WHO | INTO | WHAT | SHOWN | ELEVEN | BESIDES |
| CO | OK | DAS | LTD | WHY | JULY | WHEN | SIXTH | FOURTH | BROUGHT |
| CP | ON | DEC | MAC | WWW | JUNE | WHOM | TENTH | FULFIL | CLEARLY |
| CR | OR | DEI | MAR | XII | JUST | WITH | THEIR | GIVING | DESPITE |
| CT | PH | DEN | MAY | XIV | MERE | WONT | THERE | HAVING | FIFTEEN |
| CU | PK | DER | MEV | XVI | NEAR | XIII | THESE | HEREBY | FINALLY |
| DE | PL | DES | NEW | XIX | NINE | XVII | THIRD | HEREIN | GETTING |
| DI | PT | DET | NOR | YOU | NOTE | YOUR | THREE | INDEED | HERSELF |
| DO | RE | DID | NOT | ZUR | ONCE | ABOUT | TIMES | LATELY | HIMSELF |
| DU | SI | DIE | NOV | ALSO | ONTO | AFTER | THOSE | LIKELY | HOWEVER |
| ED | SO | DON | NOW | ASKS | OURS | AGAIN | TWICE | MERELY | JANUARY |
| EI | SP | DUE | OCT | BEEN | OVER | ALONG | UNDER | MYSELF | LARGELY |
| EL | ST | EEN | ONE | BEST | OWNS | APRIL | WHERE | NEARLY | NUMBERS |
| EN | TH | EIN | OUR | BIOG | QUES | ASKED | WHICH | NORMAL | OCTOBER |
| ER | TO | EIT | OUT | BOOK | SAID | BEING | WHOSE | OTHERS | PERHAPS |
| ET | TT | ENL | OWN | BOTH | SALE | BOOKS | WOULD | OVERLY | READILY |
| FE | UN | ETC | PAR | CAME | SAYS | BRING | XVIII | OWNING | REPORTS |
| GO | UP | ETT | PER | COME | SEEN | COMES | YOURS | RATHER | SEVENTH |
| HE | US | FEB | SAT | CORP | SEES | COULD | ACCORD | REALLY | SEVERAL |
| IA | UV | FOR | SAY | DEPT | SEPT | DOING | ALMOST | REPORT | SITTING |
| IF | VI | FUR | SEP | DOES | SITS | DON'T | ALWAYS | SECOND | SIXTEEN |
| II | VS | GET | SHE | DONE | SOME | EIGHT | AROUND | SHOULD | THEREBY |
| IL | WE | GLI | SIT | EACH | SOON | EVERY | ASKING | STATES | THEREIN |
| IN | XI | HAD | SIX | EASY | SUCH | FIFTH | AUGUST | TWELVE | THEREOF |
| IS | XV | HAS | SUB | ELSE | THAN | FIRST | AUTHOR | TWENTY | THEREON |
| IT | XX | HER | TEN | EVEN | THAT | FORTH | BECAME | UNITED | THERETO |
| IV | AGO | HET | THE | EVER | THEN | FULLY | BECOME | UNLESS | THROUGH |

Library Network
"Stop Words"
(Continued)

| | | | |
|----------|----------|-----------|--------------|
| TWELFTH | EIGHTEEN | WHEREVER | TWENTIETH |
| WHEREAS | ELEVENTH | YOURSELF | WHICHEVER |
| WHEREBY | ESPECIAL | ACCOMPANY | CONGRESSES |
| WHEREIN | FEBRUARY | ACCORDING | EIGHTEENTH |
| WHEREOF | FOURTEEN | ADDRESSES | EVERYTHING |
| WHETHER | MOREOVER | AFTERWARD | FOURTEENTH |
| WITHOUT | NATIONAL | BIMONTHLY | NINETEENTH |
| ALTHOUGH | NINETEEN | FIFTEENTH | THEMSELVES |
| AMERICAN | NOVEMBER | OTHERWISE | THIRTEENTH |
| ANYTHING | RESEARCH | SEPTEMBER | UNIVERSITY |
| APPLYING | SOMETIME | SEVENTEEN | ACCORDINGLY |
| BIWEEKLY | THIRTEEN | SIXTEENTH | ASSOCIATION |
| BRINGING | WHATEVER | SOMETHING | FORTHCOMING |
| DECEMBER | WHENEVER | THEREFORE | SEVENTEENTH |
| | | | NEVERTHELESS |

EXAMPLES

To find "The Economic Report of the President...", do not use the word "report" because it is a stop word. Search on "economic" and "president" from the title, in that order. (The +9 means that the two words should be in the same sentence or title and not restricted by being nine or fewer words apart.)

ENTER:

S TTL/ECONOMIC *+9 PRESIDENT

Set 1 14 14 TTL/ECONOMIC *+9 PRESIDENT

To find "Paperbound Books in Print...", simply search on "paperbound". (Books is a stop word.)

ENTER:

S TTL/PAPERBOUND

Set 2 2 2 TTL/PAPERBOUND

To find "Technical Report Writing," search on "technical" and "writing" - proximity, within two words.

ENTER:

S TTL/TECHNICAL *+2 WRITING

Set 3 37 37 TTL/TECHNICAL *+2 WRITING

Library Network
 "Stop Words"
 (Continued)

CAUTION

A search on a phrase with two or more words, when one of them is a stop word, can be entered in two different ways - with different results.

ENTER:

S TTL/'PAPERBOUND BOOKS'

Set 4 2 2 TTL/PAPERBOUND

ENTER:

S TTL/PAPERBOUND *+1 BOOKS

Select TTL/PAPERBOUND *+1 BOOKS SE104:TERM NOT IN
 DICTIONARY

CONSULT the stop word list and avoid RECON searching similar to the example immediately above.

New RECON Fields for
 the Standard File
 Collection (D)

The addition of three fields (VOL, OTA, and SUP) to the standard file collection forced the renumbering of the fields for use with the SPECIFY-FORMAT command. The following list contains the updated field numbers, mnemonic codes, and field names.

STD FILE COLLECTION (IAA, LCAMB, STAR, OSTAR, CSTAR, SSTAR, OCSTAR, OSTARE, OCSTARE, AOSR, CPA):

| <u>No.</u> | <u>Code</u> | <u>Field</u> |
|------------|-------------|-------------------------------|
| 1 | ACC | ACCESSION NUMBER |
| 2 | FST | FINANCIAL SUPPORT TYPE |
| 3 | MUR | MICROFICHE |
| 4 | ISS | ISSUE NUMBER |
| 5 | JAP | JOURNAL ANNOUNCEMENT PAGE NO. |
| 6 | CAT | SUBJECT CATEGORY |
| 7 | RN | REPORT NUMBER |
| 8 | CN | CONTRACT NUMBER |
| 9 | PDT | PUBLICATION DATE |
| *10 | VOL | NUMBER OF VOLUMES |
| 11 | PAG | NUMBER OF PAGES |
| 12 | LNG | DOCUMENT LANGUAGE CODE |
| 13 | LGN | LANGUAGE NOTE |
| 14 | DSC | DOCUMENT SECURITY |
| 15 | ACL | ACCESS LEVEL |
| 16 | DCF | DCAF NUMBER |

New RECON Fields for
the Standard File
Collection (D)
(Continued)

STD FILE COLLECTION (IAA, LCAMB, STAR, OSTAR, CSTAR, SSTAR,
OCSTAR, OSTARE, OCSTARE, AOSR, CPA) (CONT):

| <u>No.</u> | <u>Code</u> | <u>Field</u> |
|------------|-------------|----------------------------------|
| *17 | OTA | OTHER ANNOUNCEMENTS |
| 18 | UTL | UNCLASSIFIED TITLE |
| 19 | TXT | TITLE EXTENSION |
| 20 | UNC | UNCLASSIFIED NOTATION OF CONTENT |
| 21 | TLS | TITLE SUPPLEMENT |
| 22 | AU | PERSONAL AUTHOR |
| 23 | PAN | PERSONAL AUTHOR NOTE |
| 24 | PAA | PERSONAL AUTHOR AFFILIATE |
| 25 | PAT | PERSONAL AUTHOR TYPE |
| 26 | THS | THESIS NOTE |
| 27 | CO | CORPORATE SOURCE |
| 28 | CSS | CORPORATE SOURCE SUPPLEMENTARY |
| 29 | SCH | STANDARD NTIS HARDCOPY |
| 30 | SAP | SALES AGENCY AND PRICING |
| 31 | PRM | PRIMARY NOTE |
| *32 | SUP | SUPPLEMENT NOTE |
| 33 | POP | PLACE OF PUBLICATION |
| 34 | PUB | PUBLISHER |
| 35 | RPR | REPRINT NOTE |
| 36 | SPB | SPECIAL PUBLICATION NOTE |
| 37 | PRS | PRESENTATION NOTE |
| 38 | TRA | TRANSLATION NOTE |
| 39 | MCN | MISCELLANEOUS NOTE |
| 40 | BIN | 64-67 IMPRINT & NOTES |
| 41 | NOT | IAA 72 IMPRINT & NOTES |
| 42 | AIN | 62-63 IMPRINT & NOTES |
| 43 | MJS | MAJOR SUBJECT TERMS |
| 44 | MNS | MINOR SUBJECT TERMS |
| 45 | TRM | DATA TERMS |
| 46 | ANI | ANALYTIC ITEM |
| 47 | ANN | ANALYTIC NOTE |
| 48 | ABA | ABSTRACT AUTHOR |
| 49 | ABS | ABSTRACT |
| 50 | SUM | DATA SUMMARY |
| 51 | USE | USE STATEMENT |
| 52 | DLN | DELETION NOTE |
| 53 | DLT | DELETION TYPE |
| 54 | DAC | DELETION ACCESSION NO. |
| 55 | DDT | DELETION DATE |

* New Fields

**ASRDI Searching in
File Collection D**

To search the ASRDI files in File Collection 'D', use the following RECON codes:

| | |
|-----|--------------------|
| APD | Publication Date |
| ATX | All Text |
| AU | Author |
| RN | Report |
| ATS | Thesaurus Term |
| CO | Corporate Source |
| ABT | Broader Term |
| ANT | Narrower Term |
| ART | Related Term |
| AST | Subject Term |
| AMJ | Major Subject Term |
| AMN | Minor Subject Term |
| ABS | Abstract (Text) |
| LKS | Links (Text) |
| AUF | Used for Term |

Failure to use these codes will produce incomplete results.

**From Your RECON
Coordinators**

- Currently, an effort is being made by the RECON Coordinators to update and correct all RECON user information. If there is a change in address, phone number, or personnel, please inform the RECON Coordinators. Your cooperation is appreciated.
- Once the PRINT command has been initiated, can anything be done to cancel it? Yes, if an END-SEARCH or an END-SEARCH Bypass has not been performed, print requests can be canceled by releasing those sets involved in the PRINT commands. If an END-SEARCH or an END-SEARCH Bypass has been performed, nothing can be done to counteract the PRINT command.
- The NASA/RECON System User's Manual, Complete Version, Revision 2, was distributed during January 1979. If you have not received your copy or must have additional copies, please contact Norm McCabe at NASA Headquarters.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/3

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CONTENTS

Simplified Mnemonics

New Mnemonics

Elimination of Redundant Commands

LIMIT ALL Command Modifications

Simplified Format Options for PRINT, TYPE, and DISPLAY

BEGIN BYPASS File Collection Option

Releasing Set 99

Superfluous Blanks

Password ID Control

Simplified Mnemonics

To simplify RECON processing, the command mnemonics have been restricted to the ones listed below:

| | | | |
|----|----------------|----|----------------|
| B | BEGIN | E | END |
| BB | BEGIN BYPASS | EB | END BYPASS |
| C | COMBINE | F | FREQUENCY |
| CA | CANCEL | H | HELP |
| CS | COMMAND STATUS | K | KEEP |
| D | DISPLAY | L | LIMIT |
| LA | LIMIT ALL | S | SELECT |
| LR | LIMIT RELEASE | SE | SEARCH |
| P | PAGE | SF | SPECIFY FORMAT |
| PR | PRINT | SO | SORT |
| Q | QUERY | SS | SET STATUS |
| R | RELEASE | T | TYPE |
| | | X | EXPAND |

Mnemonics not listed above will not be valid.

Now there are only two valid mnemonics for each command. These commands may be entered three ways: (1) the short mnemonic,

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ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546.

**Simplified Mnemonics
(Continued)**

(2) the command function key, and (3) the full word. When using the full word to enter commands, the hyphen is no longer used in two-word commands.

Query subcommands remain the same, and currently stored queries are not affected by this change.

New Mnemonics

Several of the mnemonics in the list are new:

- BB - BEGIN BYPASS. This executes a begin search bypass. The nonblank character (e.g., X) after the command no longer is required. A file collection parameter is optional with this mnemonic (see the BEGIN BYPASS File Collection Option on page 4 of this bulletin).
- CS - COMMAND STATUS. This permits the user to check the status of a previously entered command.
- E - END. This performs a full end search.
- EB - END BYPASS. This executes an end search bypass. The nonblank character (e.g., X) after the command no longer is required.
- F - FREQUENCY. This produces a set term frequency display from an existing set.
- H - HELP. This causes explanatory text about RECON topics.
- LR - LIMIT RELEASE. This releases the limitation previously created from a LIMIT ALL command.
- SE - SEARCH. This allows the user to enter multiple SELECT and COMBINE commands with a single entry.
- SS - SET STATUS. This enables the user to verify the status of his current sets.

**Elimination of
Redundant Commands**

There were three sets of commands which were duplicates: (1) the HELP and EXPLAIN commands, (2) the DISPLAY and ITEM commands, and (3) the SPECIFY FORMAT and FORMAT commands. The EXPLAIN, ITEM, and FORMAT commands have been replaced. The HELP command will be used for the EXPLAIN command; the DISPLAY command will be used for the ITEM command; and the SPECIFY FORMAT command will be used for the FORMAT command.

**LIMIT ALL Command
Modifications**

The LIMIT ALL command no longer requires a diagonal (/) as the prefix for its parameter string; therefore,

LA /79/N becomes LA 79/N.

A diagonal trailing the LIMIT ALL command parameter no longer causes an error condition. This previously required the user to reenter the command. The following entry is now acceptable:

LA 79/N/10001-10100/.

Parameters are defaulted by either omitting or inserting diagonals. Therefore, it is necessary to exercise care when defaulting parameters.

LA 79 defaults the series and sequence range parameters.

LA /N defaults the year and sequence range parameters.

LA //10001-11000 defaults the year and series parameters.

CAUTION:

LA /79 defaults the year and sequence range parameters, but because of the series entry, 79, subsequent selections will result in 'no hit' conditions and/or null sets. Therefore, the user must guard against inadvertently using a preceding diagonal with the year parameter when using the LIMIT ALL command.

Simplified Format
Options for PRINT,
TYPE, and DISPLAY

There are four format options available to the user:

Format 1 - Only the accession numbers. (Unchanged)

Format 2 - Full citation including abstract. (Unchanged)

Format 4 - Citation as specified by the last SPECIFY
FORMAT command. This generates:

- Multiple citations for PRINT and DISPLAY commands. (New)
- Single citation for TYPE command. (Unchanged)

Format 6 - Full citation excluding abstract. (New)

NOTE: Format 5 is no longer a valid format.

BEGIN BYPASS File
Collection Option

The user can now change the file collection during a begin bypass. Previously, a full begin was required to designate a change in file collections. The file collection parameter, which is optional, can be either the alpha (D) or numeric (4) designator for the file collection. If the parameter is not entered, the user's default file collection is selected. For example, the following entry causes the alternate data base to be selected:

BB 7 or BB G.

REMINDER: Previous sets are not retained during a begin or begin bypass.

Releasing Set 99

Set 99 can now be released without executing a BEGIN or BEGIN BYPASS command. Release of Set 99 allows its reuse during the search in progress. The command to release Set 99 is the same as that for releasing any other set:

R 99 or RELEASE 99.

Superfluous Blanks

Inadvertently entering blanks when using the terminal no longer results in error conditions under certain circumstances. Previously, a blank entered after the command symbol required the user to reenter the command. Now, the user who enters a space after pressing a command function key can continue without concern that the statement is invalid for command syntax reasons. Extra blanks between the command and the command parameter, as well as between multiple word terms within the command statement, are now accepted, and the user need not reenter the statement.

Password ID Control

At the same time that the new mnemonics are made available for general use, a new method of providing security for the dial-in user's password will be implemented. This method will eliminate the printing of the user's password on hardcopy. The user will notice when keying his password that it will not appear on the hardcopy and that the printhead will remain stationary. When RECEIVED: appears on the printer, the password will not be printed. If the user feels that a mistake has been made while keying the password, he can depress the backspace key until it reaches the starting point and rekey the password to correct the error. The following illustrations depict the SIGNON procedure as it appears on hardcopy now and how it will appear when the new software is implemented:

Present Signon Procedure

WELCOME TO NASA RECON, PLEASE SIGN ON.

ENTER: SIGNON

RECEIVED: SIGNON

PLEASE ENTER USERID:

XXXXXXXX

RECEIVED: XXXXXXXX

USERID ACCEPTED.

Password ID
Control
(Continued)

Signon Procedure Eliminating Printing of Password

WELCOME TO NASA RECON, PLEASE SIGN ON.

ENTER: SIGNON

RECEIVED: SIGNON

PLEASE ENTER USERID:

RECEIVED:

USERID ACCEPTED.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/4

APRIL 1979

CONTENTS

PAGE

Report Number Searching

1

Text Search Information

2

Online NALNET Books Data Entry

2

Report Number Searching

Several analysts have noted that not all methods of searching for a report number on RECON achieve the desired results.

One method with results that may be suspect follows:

SELECT RN/PB-250844

SE104: TERM NOT IN DICTIONARY

There are two alternative methods of searching for a report number that are more likely to find that number. The first of these two methods is to use the root search as in the following example:

SELECT RN/PB-250844:

1 1 1 RN/PB-250844/8 RN/PB-250844/8

ROOT/PB-250844

The second alternative is the following:

EXPAND RN/PB-250844

The nonexistent report number will be displayed at E06, and the desired report number will be displayed at E07.

The first method was unsuccessful because it did not contain the "check" digit that has been added to the six-digit accession numbers in the PB and AD series. The check digit enables computer verification of order numbers, thus greatly limiting the possibility of customers' receiving the wrong documents.

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1

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546.

Text Search
Information

Recently a Facility analyst concluded that the NASA data base had nothing on MINISNIFFER, a small remotely piloted sampling vehicle. Text searches of titles and abstracts yielded nothing.

A second major attempt to extract something from the NASA data base was done by searching on MINI-SNIFFER, a two-word phrase.

```
SELECT    AX/'MINI-SNIFFER'  
          or  
          AX/'MINI SNIFFER'  
          or  
          AX/ MINI *+1 SNIFFER
```

Each of these variants
resulted in 2 hits

In text searching, some words may be cataloged as one word or two words, may be hyphenated, or have deviant spellings. For example, the word "strapdown" for Strapdown Inertial Systems appears in the literature in these variants:

Strapdown
Strap down
Strap-down

Strapped down
Strapped-down

Online NALNET
Books Data Entry

A new capability has been incorporated into the NASA Facility's online system. This capability, known as the Online NALNET Books Data Entry System, has been made available to the libraries so that they may update local holdings data. The Scientific and Technical Information Branch (STIB) of NASA will authorize the initial use of this system. Then the RECON Coordinators will dispense passwords to the authorized users. The users of the system will be able to start using it as soon as they receive their password.

NALNET Books online entry may be initiated from any terminal that is RECON compatible.

Online entry of NALNET Books holdings data compatibility allows users to add, delete, or replace local holdings data in any record in the online NALNET Books data base. Each transaction is validated on entry for having a valid accession number, and the holdings data is validated, using the NLN record, as being a valid transaction. A library will be allowed to update holdings data for itself only. A library may not modify holdings data for any other library.

Online NALNET
Books Data Entry
(Continued)

A RECON user can switch over to the online entry of NALNET Books holdings data mode by entering the command `./ SELECT NLN` at the terminal. The response will be that the NLN System was selected, and the password for NALNET update will be requested. The password signifies the library, allows the user to sign on, and provides security.

During the keying of update transactions, the user may want to return to the RECON System for some reason, such as displaying an NLN record. The user can simply enter `./ SELECT RECON`, and the terminal will be returned to the RECON mode. When the user wishes to return to the NALNET update mode, he enters `./ SELECT NLN`, and the terminal returns to the NALNET update mode ready to accept more data.

USER COMMANDS

The following commands are available to the terminal user:

`./ SELECT NLN` - This command is used to select the NALNET Update System.

`*PASSWORD` - This command is used to sign on a terminal for updating records for a particular library. Each library has a different password, and only the password for the library where the terminal has been assigned will be accepted.

example: `*JOHNSON`

`*LIST` - This command is used to list the update transactions that have been stored for the library being updated. The screen will be filled with the update transactions, and if there are more to be listed, the display will contain the word "MORE". To continue the listing, the `PAGE` command or the letter `P` can be used. The list option will be ended when all the transactions have been displayed or when an `*END` command is given.

`*LIST#` This command will display the number of update transactions stored for the given library.

`*MORE` This command will continue the `*LIST` command by displaying the next screen of transactions. This may be used instead of the `PAGE` command.

Online NALNET
Books Data Entry
(Continued)

- *END - This command will end the *LIST option before all transactions stored have been displayed.
- (PAGE) - The PAGE command can be used to continue the *LIST option by displaying the next page of data. This is the same as the *MORE command.
- P - The letter P will act as the PAGE command and continue the list.
- *DELETE NN - This command will delete the NNth transaction stored for the library. NN is the number printed with the transaction in the *LIST option.
- *STOP - This command turns off a terminal, and the password must be given to sign the terminal back on.
- ./ SELECT RECON - This command will put the terminal into the RECON mode.
- *OLD - All actions entered after this command will be processed so they do not appear in the Accession List products.
- *NEW - Reverses the OLD Command. All actions entered after this command will be processed so that they appear in the Accession List products.

DATA ENTRY EXAMPLES

A description of the update transactions and the commands available to a terminal user are described below. All transactions and commands will apply to the library the user is signed on to update. For purposes of the examples, assume Johnson is the library being updated.

- Holdings Update Transaction

The holdings Update transaction can be either to add or to delete a holding and has the following form:

YYNNNNN*X

where:

YY = Accession year

Online NALNET
Books Data Entry
(Continued)

NNNNN = Accession sequence number

* = Delimiter

X = A for add or D for delete

EXAMPLE:

Keyed: 7810001*A

Response: 7810001*A
HOLDING WILL BE ADDED TO RECORD

● Local Call Number Update Transaction

Transactions for local call numbers can be adds, deletes, or replaces. The add and delete transactions contain one call number, but the replace requires two call numbers, the number to be replaced and the number to be added. If a local call number is being added to a record that doesn't have that library in the holdings field, then the holdings will also be added to the record. The formats are as follows.

YYNNNNN*X*CCCCCCCC

where:

YYNNNNN = Accession number

* = delimiter

X = action code, A for add, D for delete

C = local call number (maximum of 42 characters)

YYNNNNN*R*CCCCCCCC*SSSSSSSS

where:

R = action code for replace

cccccccc = local call number to be replaced

ssssssss = local call number to be added

Online NALNET
Books Data Entry
(Continued)

EXAMPLES:

Keyed: 7810002*A*SB931.M48

Response: 7810002*A*SB931.M48
CALL # WILL BE ADDED TO RECORD

Keyed: 7810003*D*GC57.571

Response: 7810003*D*GC57.571
CALL # WILL BE DELETED FROM
RECORD

Keyed: 7810004*R*QB401.P71*QB401.P72

Response: 7810004*R*QB401.P71*QB401.P72
CALL # WILL BE REPLACED

- Update of Holdings for Old Books

The addition of holdings data for books that are not to be announced as new holdings will be accomplished by prefixing the update transaction with OLD* or by entering the command *OLD. This will flag the transaction to indicate that it is to be processed by the STIMS update procedure that will prevent the book from being announced as a new holding. Examples are given below:

Keyed: OLD*7810001*A

Response: 7810001*A
HOLDING WILL BE ADDED TO RECORD

Keyed: OLD*7810002*A*SB931.M48

Response: 7810002*A*SB931.M48
CALL # & HOLDING WILL BE ADDED TO RECORD

Keyed: *OLD

All entries following this command will be treated as old holdings until the command *NEW is entered.

Holding actions entered on a given day will be routinely applied to the NALNET Books data base overnight.

Online NALNET
Books Data Entry
(Continued)

NOTE: The system is initially scheduled to be available
during Facility afternoon hours only -- 1300 to 1630.



National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

79/5

MAY 1979

CONTENTS

PAGE

| | |
|---|---|
| Current SESSION STATUS Command | 1 |
| Display E Numbers | 2 |
| File Collection N | 2 |
| Dial-in Disconnect | 2 |
| From Your RECON Coordinator | 3 |
| Using BRS, Lockheed, and SDC Data Bases | 3 |

Current SESSION STATUS Command

A new user-oriented command has been implemented to assist the RECON user in determining the status of a particular session. An optional operand, when used in conjunction with the command, will allow the user to determine the status of a particular aspect of the session.

There are two acceptable mnemonics for the command:

1. CU
2. CURRENT

The optional operands for the command are the following:

| | |
|----------------|----|
| DATE | D |
| TIME | T |
| FILE | FC |
| MODE | M |
| SPECIFY FORMAT | SF |
| LIMIT ALL | LA |

Whenever an operand is used, only the information associated with the operand will be transmitted to the user, and it will appear on the first line of the CRT.

The information will be displayed in the following manner:

CURRENT SESSION STATUS

```
DATE . . . . . MAY 01, 1979
NASA/STIF TIME . . . . . 09:56
FILE COLLECTION . . . . . N
MODE . . . . . STANDARD
SPECIFY FORMAT . . . . . ACC,AU;UTL;ABS
LIMIT ALL . . . . . 70-79
```

Display E Numbers

To further enhance and simplify RECON usage, the capability to display E and R expand list numbers and F frequency list numbers has been added to RECON. This feature allows RECON users to select a set of accession numbers and to display the first item in the set with a single display command.

Examples:

| <u>Display E no.</u> | <u>Display R no.</u> | <u>Display F no.</u> |
|----------------------|----------------------|----------------------|
| X Energy | X Conservation | F 1 |
| D 53 | X E12 | D F003 |
| D E53 | D R2-R3 | |

File Collection N

A new file collection has been added to the RECON system. This file collection has the designation N. It is a combination of file collection D and file collection F. It is available to all users who presently have access to both of those file collections and wish to search by Thesaurus terms. There will be no searching across other inverted files. For example, the author inverted file for file collection D is AU, and the author inverted file for file collection F is LA. Therefore, searching for an author would require examining both inverted files.

Dial-in Disconnect

A warning to all dial-in users: If a dial-in terminal is inactive for fifteen consecutive minutes, it will be disconnected from the RECON system. If the user reconnects with the RECON system, the user's file collection and set status will still be in effect. However, the Specify Format and Limit All data will be deleted. The dial-in users may use the current SESSION STATUS command to verify their statements.

From Your RECON
Coordinator

The RECON coordinators are requesting your assistance in an effort to document the reliability of Univac and Modem equipment. Before making a call to the vendor, please report all equipment difficulties to the RECON coordinator. Also, please have the engineer who responds to the service request call the RECON coordinator when the service is completed. Thank you for your cooperation.

We would like to welcome Scott Brittian as our new RECON Coordinator. He is replacing Karen Minnick, who has transferred to the computer programming area here at the Facility. Scott will work with Mike Moriarity in providing assistance to the RECON community.

Using BRS, Lockheed,
and SDC Data Bases

The NASA Facility is authorized to provide BRS, Lockheed, and SDC search service to NASA Headquarters and NASA Centers for the remainder of 1979. The library of the requesting organization should continue to submit requests to the Facility (Attn: Retrieval). Search by subject (or other criteria) may be made against the data bases included in the appended BRS/Lockheed/SDC Data Base Listing. The Facility will search the most appropriate data bases consistent with the subject scope of the search. Attached is an update of the searchable online data bases, excluding the New York Times Information Bank.

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ONLINE DATA BASES (B = BRS, L = Lockheed, S = SDC)*

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|------------------------------|--|-------------|---|-------------------------------|
| ACCOUNTANTS INDEX | International coverage of the literature related to accounting, auditing, taxation, data processing, investments, and management. Prepared by the American Institute of Certified Public Accountants. | S | 1974 | Quarterly |
| AGRICOLA | Provides worldwide coverage of agriculture using the centralized agricultural bibliographic data system covering CAIN (Cataloging and Indexing), AGECON (Agricultural Economics), FNIC (Food and Nutrition Information Center), and AGRICULTURE CANADA. Prepared by Technical Information Systems, Science and Education Administration, U.S. Department of Agriculture. | B L S | Jan 1970 | Monthly Monthly Monthly |
| AIM/ARM | Abstracts of instructional and research materials in vocational and technical education. Prepared by the Center for Vocational Education. | L | 1967 thru 1976. From 1977 included in ERIC. | Closed |
| AMERICA: HISTORY AND LIFE | Covers U.S. and Canadian history, area studies, and current affairs. Prepared by American Bibliographical Center (ABC-Clio, Inc.). | L | Jan 1964 | Quarterly |
| APTIC | Air quality and air pollution prevention and control. Includes Air Pollution Abstracts. Prepared by the U.S. Environmental Protection Agency. | L | Jan 1966 | Closed |
| ART MODERN | Covers publications in the field of modern art and design in the period of 1800 to the present. Prepared by American Bibliographical Center (ABC-Clio, Inc.). | L | Jan 1974 | Semi- annual |

*Extracted and updated from the Bulletin of the American Society for Information Science, Vol. 3, No. 5 (June 1977).

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--------------------------|--|-------------|--|---|
| ASFA | Aquatic Sciences and Fisheries Abstracts (ASFA) is a comprehensive data base on life sciences of the seas and inland waters as well as related legal, political, and social topics. Prepared by the Food and Agricultural Organization and UNESCO. | L | Jan 1975 | Monthly |
| ASI | Governmental statistical publications, based on the <u>American Statistics Index</u> . Electronic maildrop of documents in this file is available from Congressional Information Service. Prepared by Congressional Information Service, Inc. | L S | Jan 1973 | Monthly Monthly |
| BIOCODES | Contains a listing of taxonomic and category codes in a dictionary-type, nonbibliographic file. Includes common names, codes, synonyms, and related codes. Prepared by Biological Sciences Information Service. | S | | Monthly |
| BIOSIS (PREVIEWS) | Includes the contents of <u>Biological Abstracts</u> and <u>BioResearch Index</u> covering all the life sciences. Prepared by Biological Sciences Information Service. | B L S | | Monthly Monthly Index: Monthly Abstract: Bi-weekly |
| CA PATENT CONCORDANCE | Correlates chemical patents issued by different countries for the same basic invention. Prepared by Lockheed Information Systems and Chemical Abstracts Service. | L | Jan 1972 | Semi- annual |
| CAB ABSTRACTS | Comprehensive file of agricultural and biological information containing all records in the journals published by Commonwealth Agricultural Bureaux. Prepared by the Commonwealth Agricultural Bureaux. | L | Jan 1973 | Monthly |

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OF POOR QUALITY

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|-------------------------|---|-------------|--|---------------------------------|
| BPI | Canadian business periodicals index provides information on business and industry in Canada. Prepared by Information Access, Inc., and Micromedia Limited. | S | 1975 | Monthly |
| DA (CDI) | <u>Comprehensive Dissertation Abstracts</u> provides coverage of doctoral dissertations from accredited American universities and most Canadian universities. Electronic maildrop of documents in this file is available from University Microfilms International through SDC (S) only. Prepared by University Microfilms International. | B L S | 1861 | Monthly Monthly Monthly |
| CHEMCON H. CON/CASIA | Provides worldwide coverage of the chemical sciences literature, including patents, books, reference proceedings and government research reports. Coverage corresponds to the printed <u>Chemical Abstracts Condensates</u> . From 1972 onwards, the Chemcon files in L and S are integrated with the CASIA files. CA Subject Index Alert (CASIA) provides additional index entries for the documents abstracted in <u>Chemical Abstracts</u> . Prepared by Chemical Abstracts Service. | B L S | Jan 1970 | Monthly Biweekly Biweekly |
| HEMDEX | Chemical dictionary file, covering all compounds cited in the literature. May be searched by chemical name, by molecular formula, or by group or row within the periodic chart. Prepared by Chemical Abstracts Service. | S | 1972 | Quarterly |

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|----------------------------|---|--------|---|-------------------|
| HEMNAME | Contains a listing of chemical substances in a dictionary-type, nonbibliographic file. CAS Registry Numbers, CA Index names, molecular formulas, and synonyms are listed. Prepared by Chemical Abstracts Service and Lockheed Information Systems. | L | 1972 | Irregular |
| CHILD ABUSE AND NEGLECT | English language material and research on child abuse and neglect. Includes conference proceedings, bibliographic references, ongoing research, and service program listings. Prepared by the National Center on Child Abuse and Neglect. | L | 1965. | Annually |
| IN | <u>Chemical Industry Notes</u> , containing citations to the business literature in the chemical industry. Prepared by Chemical Abstracts Service. | L S | 1974 | Monthly Weekly |
| CLAIMS | General, chemical, electrical, and mechanical U.S. patents plus some foreign equivalents. The previous files CLAIMS/CHEM and CLAIMS/GEM have been reorganized into two files, divided by date. The new files are called CLAIMS/CHEM and CLAIMS/U.S. PATENTS. Prepared by IFI/Plenum Data Company. | L | CLAIMS/CHEM: 1950 to 1970 (closed file). CLAIMS/U.S. PATENTS: 1971 to present. | Monthly |
| CLAIMS/CLASS | Classification code and title dictionary covering all classes and selected subclasses of the U.S. patent classification system. Prepared by IFI/Plenum Data Company. | L | Jan 1977 | Irregular |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|----------------------------|---|-------------|--|-------------------------------|
| NI | The <u>Canadian News Index</u> data base provides a comprehensive index to Canadian news-related information. Articles from five major Canadian dailies are indexed: <u>Montreal Star</u> , <u>Toronto Globe and Mail</u> , <u>Toronto Star</u> , <u>Vancouver Sun</u> , and <u>Winnipeg Free Press</u> . Prepared by Information Access, Inc. | S | Jan 1977 | Monthly |
| COMPENDEX | The computerized <u>Engineering Index</u> data base covering engineering literature. Prepared by Engineering Index, Inc. | L S | Jan 1970 | Monthly Monthly |
| CONFERENCE PAPERS INDEX | Lists approximately 1,000 scientific and technical meetings held worldwide each year and the 100,000 papers presented at them. Prepared by Data Courier, Inc. | B L S | 1973 | Monthly Monthly Monthly |
| CRECORD | Provides comprehensive, highly current coverage of the <u>Congressional Record</u> . Prepared by Capitol Services, Inc. | S | 1976 | Weekly |
| DATA BASE INDEX (DBI) | DBI is a master index to all ORBIT data bases and contains all word terms from each file's basic index. When a term is entered, a ranked listing of all data bases in which the term occurs is retrieved. Boolean operators can also be used. Subdivided into four categories: Science and Technology Social Sciences and Humanities Business and Economics Multidisciplinary | S | | Monthly |

OF DOCTORS

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|------------------------------------|--|--------|--|----------------------|
| DEFENSE MARKET MEASURES SYSTEM | Covers U.S. Government contract awards, request-for-proposals, R&D sources sought, etc. Includes aircraft, communications, data processing, management services, and basic research. Includes receiving contractor, awarding agency, and dollar amount of contract. Prepared by Frost & Sullivan, Inc. | L | Jan 1975 | Quarterly |
| DISCLOSURE | One of the primary information sources on American business, DISCLOSURE covers announcements of financial reports filed with the Securities and Exchange Commission (SEC) of over 11,000 public companies. Prepared by Disclosure, Inc. | L | 1978 | Weekly |
| ENERGYLINE | Covers energy economics, including U.S. policy and planning, resources and reserves, and environmental impact. Prepared by Environment Information Center, Inc. | L S | Jan 1971 | Monthly Bimonthly |
| ENVIROLINE | Covers the world's environmental information, with an interdisciplinary approach. Prepared by Environment Information Center, Inc. | L S | Jan 1971 | Monthly Monthly |
| ENVIRONMENTAL IMPACT STATEMENTS | Abstracts of environmental impact statements, which are required of federal agencies under section 102 of the National Environmental Policy Act of 1969 (NEPA). These statements weigh and describe the developmental benefits as opposed to the adverse environmental effects of projects funded by, or impinging on the mandates of the Federal Government. Prepared by Information Resources Press. | B | 1977 | Monthly |

ORIGINAL FILES
OF POOR QUALITY

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--|---|-------------|---|-------------------------------|
| ENVIRONMENTAL PERIODICALS BIBLIOGRAPHY | EPB provides current access to the contents of periodicals dealing with the environment, such as water pollution, health hazards, or urban planning. Prepared by the Environmental Studies Institute. | L | Jan 1974 | Bimonthly |
| ERIC | Complete data base on research and journals in the field of education, including <u>Current Index to Journals in Education and Research in Education</u> . Electronic maildrop through SDC is available for CIJE documents from University Microfilms International; for RIE documents from ERIC. Prepared by Educational Resources Information Center. | B L S | 1966 for RIE records. 1969 for CIJE records. | Monthly Monthly Monthly |
| EXCEPTIONAL CHILD EDUCATION RESOURCES | ECER covers literature dealing with education of handicapped and gifted children. Prepared by the Council for Exceptional Children. | B L | Jan 1966 | Monthly Quarterly |
| EXCERPTA MEDICA | Worldwide research literature in the medical sciences, with an extremely detailed indexing system. Corresponds to the printed <u>Excerpta Medica</u> . Prepared by Excerpta Medica Foundation. | L | Jan 1975 | Weekly |
| FEDERAL REGISTER | The content of this file corresponds to the <u>Federal Register</u> and covers rules and regulations by the Federal Government on a wide range of subjects. Prepared by Capitol Services, Inc. | S | March 25, 1977 | Monthly |
| FOODS ADLIBRA | Information references to food industry developments, food products, food marketing, and significant research and technological advances. Prepared by K & M Publications, Inc. | L | 1974 | Monthly |

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|---|---|--------|--|--------------------|
| FOUNDATION CENTER NATIONAL DATA BASE 8 ED | The National Foundation file provides recent data on all the American private foundations which award grants for charitable purposes. This file overlaps and supplements the FOUNDATION DIRECTORY, where more complete information on the larger foundations is available. Prepared by the Foundation Center. | L | Current year's data | Annually |
| FOUNDATION DIRECTORY | Descriptions of over 2,500 foundations with assets exceeding \$1 million. Prepared by the Foundation Center. | L | Current year's data | Semi-annually |
| FOUNDATION GRANTS INDEX | Information on grants awarded by more than 400 major American philanthropic foundations. Prepared by the Foundation Center. | L | Jan 1973 | Bi-monthly |
| S <i>FSTA</i> | Covers literature related to all human food commodities and aspects of food processing except the production of raw foods. Corresponds to the printed <u>Food Science and Technology Abstracts</u> . Prepared by International Food Information Service. | L S | 1969 | Monthly Monthly |
| EOARCHIVE | Information on the geosciences, including geology, mineralogy, energy sources, and oceanology. Prepared by Geosystems. | L | 1966 | Monthly |
| EOREF | Geological reference file, covering geosciences literature. Includes citations from <u>Bibliography and Index of Geology</u> . | S | 1961 | Monthly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--|--|-------------|--|-------------------------------|
| GPU MONTHLY CATALOG | Index of public documents generated by the U.S. Federal Government; corresponds to the hard copy <u>Monthly Catalog of United States Government Publications</u> . This covers congressional documents as well as documents from various other government agencies and their departments. Prepared by the U.S. Government Printing Office. | L | July 1976 | Monthly |
| GRANTS | Covers grant programs offered by federal, state, and local governments, commercial organizations and associations, and private foundations. Prepared by the Oryx Press. | S | Currently available grants | Monthly |
| HISTORICAL ABSTRACTS | Abstracts of the world's periodical literature in history and the related social sciences and humanities. Prepared by American Bibliographical Center (ABC-Clio, Inc.). | L | 1973 | Quarterly |
| INFORM | Covers information in the areas of business management and administration, accounting, advertising, and banking. All phases of management and administration are covered by the data base. Prepared by Data Courier, Inc. | B L S | Aug 1971 | Monthly Monthly Monthly |
| INSPEC | Worldwide coverage of physics, electrical engineering, computer science, and control engineering. Corresponds to <u>Physics Abstracts</u> , <u>Electrical and Electronic Abstracts</u> , and <u>Computer and Control Abstracts</u> . Prepared by the Institution of Electrical Engineers. | B L S | Jan 1969 | Monthly Monthly Monthly |
| INTERNATIONAL ECONOMIC ABSTRACTS | Covers business and economics literature from the abstract journal <u>Economic Titles</u> . Prepared by the Dutch Ministry for Economic Affairs. | L | 1974 | Monthly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--|--|--------|---|--------------------|
| INTERNATIONAL PHARMACEUTICAL ABSTRACTS | IPA covers information on the pharmaceutical profession and the development and use of drugs. Prepared by the American Society of Hospital Pharmacists. | L | 1970 | Bimonthly |
| ISI ELECTRONIC MAILDROP | Electronic maildrop for journal articles from the more than 5,200 journals in SCISEARCH and SOCIAL SCISEARCH is available through SDC (ORBIT) from the Institute for Scientific Information. | S | | Monthly |
| ISMEC | Information service in mechanical engineering and engineering management. Prepared by Data Courier, Inc. | L S | 1973 | Monthly Monthly |
| LABORDOC | Citations from the International Labour Organization's major publications, books, selected articles, conference reports, and technical documents. Covers industrial relations, economic and social development, management, occupational safety, labor mobility, vocational training, and other related fields in industry. Prepared by the International Labour Organization. | S | Jan 1965 | Monthly |
| LANGUAGE ABS | Provides current selective access to the world's literature on language and language behavior. Prepared by Sociological Abstracts, Inc. | L | 1973 | Quarterly |
| IBCON | Provides extensive coverage of the monographic literature and some nonprint materials catalogued by the U.S. Library of Congress. Includes MARC records. Covers English, French, German, Portuguese, and Spanish literature, and MET (main/entry/title) records of all Roman-alphabet languages and transliterated items. Prepared by 3-M Corporation. | S | 1968 for MARC records. 1969 for MET records. | Weekly |

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|-------------------------|--|-------------|--|-------------------------------|
| MAGAZINE INDEX | Coverage of some 370 popular American magazines. Provides information on general interest topics, including current affairs, consumer product evaluation, sports and recreation, business, environment, and science and technology. Includes all magazines covered by <u>Reader's Guide</u> . Prepared by Information Access, Inc. | L | 1976 | Monthly |
| MANAGEMENT CONTENTS) | Coverage of the business literature gathered from both U.S. and non-U.S. journals. Corresponds to <u>Management Contents</u> . Electronic maildrop for articles in this file is available through SDC from FIND/SVP. Prepared by Management Information Service. | B L S | Sept 1974 | Monthly Monthly Monthly |
| ETADEX | Worldwide metallurgical literature, including <u>Metals Abstracts Index</u> and <u>Alloys Index</u> . Prepared by the American Society for Metals. | L | 1966 | Monthly |
| GA | <u>Meteorological and Geostrophysical Abstracts</u> provides current citations for the most important meteorological and geostrophysical research published in both foreign and domestic literature. Prepared by the American Meteorological Society and the National Oceanic and Atmospheric Administration. | L | 1972 | Irregular |
| MLA BIBLIOGRAPHY | Corresponds to the printed journal of the Modern Language Association entitled <u>MLA International Bibliography of Books and Articles on the Modern Languages and Literatures</u> . Covers current scholarship in the modern languages and literature, folklore, and linguistics. Prepared by the Modern Language Association of America. | L | 1976 | Quarterly |

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|-----------------|--|-------------|--|----------------------------------|
| IRIS | <u>Maritime Research Information Service</u> covers maritime research, including cold weather regions, cargo, ships, materials, navigation, safety, and harbors. Provides access to agency maritime reports, approximately 100 periodicals containing maritime articles, and other maritime information sources. Access is limited to users in the U.S. and Canada. Prepared by the Maritime Research Information Service. | L | 1970 | Monthly |
| IAL SERIALS | Listing of all serial records of the National Agricultural Library. Prepared by the U.S. Department of Agriculture Science and Education Administration, Technical Information Systems. | B | | Monthly |
| NEWSPAPER INDEX | Index of relevant topics, editorials, bibliography of reviews on films, books, and other forms of entertainment, and biographical information from the following newspapers: the <u>San Francisco Chronicle</u> , the <u>Detroit News</u> , the <u>Chicago Tribune</u> , the <u>Los Angeles Times</u> , the <u>Houston Post</u> , the <u>Times-Picayune</u> , and the <u>Washington Post</u> . Prepared by Bell & Howell. | S | 1976 | Monthly |
| ICEM | Provides comprehensive coverage of nonprint educational material. Prepared by the National Information Center for Special Educational Materials. | L | Jan 1964 | Irregular |
| ICSEM/NIMIS | Lists information on audio-visual, print and braille materials, equipment, and adaptive devices related to all educational levels of the handicapped, but primarily to children. Prepared by National Information Center for Special Education Materials. | B L | 1974 to 1977 | Monthly Closed |
| TIS | Cross-disciplinary file of citations to U.S. government-sponsored research technical reports. Includes analyses prepared by federal agencies, their contractors or grantees, and nonclassified DOD reports. Electronic maildrop | B L S | B, S: Jan 1970 L: 1964 | Biweekly Biweekly Biweekly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|------------------------|---|--------|---|--------------------------|
| NTIS (CONT) | for documents in this file is available through SDC from NTIS. Prepared by National Technical Information Service. | | | |
| OCEANIC (ABSTRACTS) | Worldwide technical literature of oceanography and marine-related subjects. Includes journal articles, conference proceedings, and government publications. Prepared by National Oceanic and Atmospheric Administration and Data Courier, Inc. | L S | 1964 | Bi-monthly Bi-monthly |
| PAIS INTERNATIONAL) | International coverage of public affairs literature. Includes <u>Foreign Language Index</u> and <u>PAIS Bulletin</u> . Prepared by Public Affairs Information Service, Inc. | L | Jan 1976 1972 for <u>Foreign Language Index</u> | Monthly |
| PAPERCHEM | Covers the scientific and technical literature, including patents of the pulp-, paper-, and board-manufacturing and utilizing industries, gathered from all industrialized countries. Prepared by the Institute of Paper Chemistry. | S | Jan 1968 | Monthly |
| /E NEWS | Covers publications in the petroleum and energy fields. Journals covered are: <u>Oil and Gas Journal</u> , <u>Oil Daily</u> , <u>Platt's Oilgram News Service</u> , <u>Petroleum Intelligence Weekly</u> , <u>Middle East Economic Survey</u> , <u>The Petroleum Economist</u> , and <u>National Petroleum News</u> . Prepared by the American Petroleum Institute. | S | Jan 1975 | Weekly |
| ESTDOC | Journal literature in agricultural chemicals and pesticides. Access granted to subscribers only. Prepared by Derwent Publications, Ltd. | S | 1964 | Monthly |
| RA | Covers information from the paper and printing industry. Lists abstracts from <u>Management and Marketing Abstracts</u> , <u>Packaging Abstracts</u> , <u>Printing Abstracts</u> , and <u>Paper and Board Abstracts</u> . Prepared by the Research Association for the Paper and Board, Printing, and Packaging Industries, Ltd. | L | 1975 | Monthly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--|---|-------------|--|-------------------------------------|
| PNI | <p>Pharmaceutical News Index provides the indexing service for the food, drug, and cosmetic family of pharmaceutical industry special publications.</p> <p>Covers:</p> <p><u>FDC Reports</u> (The Pink Sheet)</p> <p><u>Drug Research Reports</u> (The Blue Sheet)</p> <p><u>Medical Devices, Diagnostic & Instrumentation Reports</u> (The Gray Sheet)</p> <p><u>Weekly Pharmacy Reports</u>, (The Green Sheet)</p> <p><u>Quality Control Reports</u> (The Gold Sheet)</p> <p><u>PMA Newsletter</u> (from 12/75 to 11/77)</p> <p><u>Washington Drug and Device Letter</u> (from 12/75 to 11/77).</p> | B L | Varies by publication | Monthly Monthly |
| POLLUTION ABSTRACTS | <p>Prepared by Data Courier, Inc.</p> <p>Corresponds to the printed <u>Pollution Abstracts</u>. Covers environmentally related literature on pollution, its sources, and its control. Prepared by Data Courier, Inc.</p> | B L S | Jan 1970 | Bimonthly Bimonthly Bimonthly |
| PREDICASTS DOMESTIC STATISTICS | <p>Abstracts of all significant information on industry and product statistics, government and services statistics, and social economic statistics for U.S. Different price structure for subscribers and nonsubscribers. File is divided into three parts:</p> <p>U.S. Statistical Abstracts</p> <p>U.S. Annual Time Series</p> <p>U.S. Regional Time Series.</p> <p>Prepared by Predicasts, Inc.</p> | L | July 1971 | Quarterly |
| PREDICASTS EIS NONMANUFACTURING ESTABLISHMENTS | <p>Lists nonmanufacturers, employing 20 or more people in the business sector of the economy. Banking and the nonprofit sectors were added in the latter part of 1978. Companion file to PREDICASTS EIS PLANTS. Prepared by Predicasts, Inc., and Economic Information Systems, Inc.</p> | L | Current | Quarterly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|---|---|--------|--|----------------------|
| PREDICASTS EIS PLANTS | Current information on some 117,000 industrial plants in the U.S., operated by 67,000 firms with current annual sales of more than \$500,000, accounting for 90% of the total U.S. industrial activity. Prepared by Economic Information Systems, Inc., and Predicasts, Inc. | B L | Current | Monthly Quarterly |
| PREDICASTS F&S INDEXES (FUNK & SCOTT) | Covers both domestic and international company, product, and industry information. Different price structure for subscribers and nonsubscribers. Prepared by Predicasts, Inc. | L | 1972 to 1975 1976 | Monthly |
| PREDICASTS FEDERAL INDEX | Covers U.S. government activity from the <u>Congressional Record</u> , <u>Federal Register</u> , <u>Commerce Business Daily</u> , <u>Presidential Documents</u> , and the <u>Washington Post</u> with citations to the <u>Code of Federal Regulations</u> , the <u>United States Code</u> , and congressional bills. Prepared by Predicasts, Inc. | L | Oct 1976 | Monthly |
| PREDICASTS FEDERAL INDEX WEEKLY | This file contains the same kind of records from the same sources as <u>Predicasts Federal Index</u> . Contains up to four weekly updates. | L | Current month | Weekly |
| PREDICASTS INTERNATIONAL STATISTICS | Time series and forecasts on foreign economics, demographics, finance, and production. Different price structure for subscribers and nonsubscribers. File is divided in two parts: International Statistical Abstracts International Annual Time Series. Prepared by Predicasts, Inc. | L | 1972 | Quarterly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|--|--|-------------|--|-------------------------------|
| PREDICASTS OVERVIEW OF MARKETS AND TECHNOLOGY | Worldwide coverage of <u>Chemical Market Abstracts (CMA)</u> and <u>Equipment Market Abstracts (EMA)</u> . Different price structure for subscribers and nonsubscribers. Prepared by Predicasts, Inc. | L S | 1972 | Monthly Monthly |
| PREDICASTS WEEKLY | Weekly current awareness for Predicasts Overview of Markets and Technology and Predicasts F&S Indexes. Prepared by Predicasts, Inc. | L | Current month | Weekly |
| PSYCH ABSTRACTS | Worldwide coverage of psychology and other behavioral sciences. Prepared by the American Psychological Association, Inc. | B L S | 1967 | Monthly Monthly Monthly |
| QUEBEC ACTUALITE | Contains citations and abstracts of three Quebec newspapers: <u>Le Devoir</u> , <u>La Presse</u> , and <u>Le Soleil</u> . This data base is entirely in French. Different price structure for subscribers and nonsubscribers. Prepared by Microfor, Inc. | S | 1973 | Monthly |
| PHARMINGDOCS | Worldwide extensive coverage of the pharmaceutical literature. Access granted to subscribers only. Prepared by Derwent Publications, Ltd. | S | July 1964 | Monthly |
| SAE ABSTRACTS | Covers papers given at Society of Automotive Engineers meetings or conferences, concerning self- propelled vehicles; applicable to the aerospace, transportation, and automotive industries. Elec- tronic maildrop for documents in this file is available through SDC from the Society of Automotive Engineers. Prepared by the Society of Automotive Engineers, Inc. | S | Jan 1965 | Quarterly |

| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|-----------------------------|---|-------------|--|-------------------------------|
| SAFETY SCIENCE ABSTRACTS | Includes the science of safety, covering events or phenomena which threaten mankind, his environment or technology. Citations are gathered from book reviews, financial news, government affairs, new product news, and patents. Prepared by Cambridge Scientific Abstracts, Inc. | S | 1974 | Bimonthly |
| SCISEARCH | Multidisciplinary index to the literature of science and technology, including medicine. Contains all the records published in <u>Science Citation Index</u> . Can be searched by author's cited references. Electronic maildrop of articles in SCISEARCH is available through SDC (ORBIT) from Institute for Scientific Information. Prepared by the Institute for Scientific Information. | L | Jan 1974 | Monthly |
| SOCIAL SCISEARCH | Covers sociology and related social science areas contained in <u>Social Science Citation Index</u> . Can be searched by author's cited references. Electronic maildrop available of articles in SOCIAL SCISEARCH through SDC from Institute for Scientific Information. Prepared by the Institute for Scientific information. | B L S | | Monthly Monthly Monthly |
| SOCIOLOGICAL ABSTRACTS | Covers literature in sociology and related disciplines in the social and behavioral sciences. Prepared by Sociological Abstracts, Inc. | L | 1963 | 5 times annually |
| PHYSICS INDEX | <u>Searchable Physics Information Notices</u> covers all major areas of physics from major American and Russian physics and astronomy journals. Includes journal articles and conference proceedings published by the American Institute of Physics and its member societies. Prepared by the American Institute of Physics. | L | 1975 | Monthly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|------------------------------------|---|--------|---|----------------------|
| SIE CURRENT RESEARCH) | Covers research in progress and recently completed research in a wide variety of disciplines, especially research sponsored by the Federal Government. Prepared by the Smithsonian Science Information Exchange, Inc. | L S | L: latest 2 fiscal years S: fiscal year 1974 | Monthly Monthly |
| ITUS | Covers a broad range of topics relating to the textile industry, and designed to be useful to textile managers, engineers, and technicians. Many citations and abstracts are in French. Prepared by the Institut Textile de France. | S | Jan 1970 | Monthly |
| SCA 1977 ANDIDATE LIST | <u>Toxic Substances Control Act Candidate List</u> lists chemical substances identified and compiled by the U.S. Environmental Protection Agency as an aid to reporting under provisions of the Toxic Substances Control Act. Closed file. Prepared by the U.S. Environmental Protection Agency and Chemical Abstracts Service. | L | July 1974 to 1977 | Closed |
| ULSA | Covers worldwide literature and patents related to oil and natural gas exploration. Corresponds in coverage to <u>Petroleum Abstracts</u> . Access to subscribers only. Prepared by the University of Tulsa. | S | 1965 | Quarterly |
| .S. POLITICAL SCIENCE DOCUMENTS | Provides significant research results in the political, social, and policy sciences, from approximately 120 major American journals publishing scholarly articles in the broad area of political science. Prepared by the University of Pittsburgh, University Center for International Studies. | L S | 1975 | Quarterly Monthly |
| SDA/CRIS | <u>Current Research Information System</u> covers current research in agriculture and related areas. Prepared by Cooperative Research, USDA Science and Education Administration. | L | July 1974 | Monthly |

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| DATA BASE NAME | SUBJECT AND SCOPE | VENDOR | COVERAGE (ENTRY YEAR TO PRESENT) | UPDATE FREQ'Y |
|-----------------------------|--|--------|--|------------------|
| WORLD ALUMINUM ABSTRACTS | Provides coverage of the world's technical literature on aluminum. Prepared by the American Society for Metals. | L | 1968 | Monthly |
| WORLD TEXTILES | Periodical and monograph literature, as well as patents on the textile industry. Prepared by the Shirley Institute, England. | L | 1970 | Monthly |
| WPI (PATENTS) | Comprehensive and authoritative <u>World Patent Index</u> file contains documents relating to patent specifications issued by the Patent Offices of the major industrial nations. Corresponds in coverage to <u>Central Patents Index</u> and the <u>World Patent Index</u> . Prepared by Derwent Publications, Ltd. | S | Variable by subject matter, from 1963 | Monthly |

ORIGINAL PRINTING
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National Aeronautics and
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**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/6

JUNE 1979

CONTENTS

PAGE

| | |
|--------------------------------|---|
| FREQUENCY Command Modification | 1 |
| Reminder | 1 |
| Dial-in User's Set Save | 1 |
| Thesaurus Terms | 1 |

FREQUENCY Command Modification

Software changes have been made to allow continuous paging of a FREQUENCY display following a SELECT command. Previously, the FREQUENCY command had to be executed again in order to proceed to the next page. Now, after a SELECT command, the PAGE command will cause the next page of the frequency distribution to be displayed.

Reminder

The NALNET Books Data Entry System is online as of May 22, 1979. NASA libraries may now update local holdings data from any terminal that is RECON compatible. For further information refer to the 79/4 NASA/RECON User's Bulletin.

Dial-in User's Set Save

A new field, Set Save, has been added to the dial-in user's Begin Search Questionnaire. This field, which has been available on the UTS 400 terminals, will enable the user to save the sets created in a previous search. Due to the obvious problems associated with inverted files from different file collections, users will not be able to change file collections when saving sets.

Thesaurus Terms

Among the reference aids regularly distributed by the NASA Scientific and Technical Information Facility are the Monthly Update of NASA Thesaurus Terms and the Six-Month Cumulative Listing of NASA Thesaurus Term Changes. If these are not coming to your RECON terminal and you would like to be placed on the distribution list, please contact Norm McCabe.



National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

79/7

JULY 1979

CONTENTS

PAGE

| | |
|--|---|
| Notes on the DISPLAY and PAGE Commands | 1 |
| Change Your Mind? | 2 |
| From Your RECON Coordinator | 3 |

Notes on the DISPLAY and PAGE Commands

The loss of sequential display in FORMAT 2 (intentionally or unintentionally) will occur from time to time. To recover from a display interruption on either a dial-in terminal or a UTS 400 terminal, use the procedure outlined in the following example:

Assume that Set 1 (50 items) was interrupted after 10 items had been displayed. To display the remaining 40 items, enter the Command DISPLAY 1/2/11-50 and transmit.

When displaying in FORMAT 2, always use the DISPLAY command for the next citation. Use the PAGE command only to see the overflow of a single citation.

In FORMAT 4, there is a limited amount of space reserved for displaying "compressed" or "specify-formatted" citations. The greater the number of fields in the SPECIFY FORMAT command, the fewer the citations displayed. The following example demonstrates how items will be displayed because of this space limitation:

Assume that Set 2 has 500 accessions and that the command SPECIFY FORMAT ACC,PDT,RN,AU; UTL has been accepted. A DISPLAY 2/4/ALL will be accepted and transmitted to the terminal as follows: DISPLAY 2/4/1-10 of 68. The remaining 58 items may be displayed in sequential groups by using the PAGE command. To display items 69-500 in FORMAT 4, enter the command DISPLAY 2/4/69-500. Again, only 60 or 70 items in FORMAT 4 will be available for sequential display because of space limitations. These items, also, may be displayed in sequential groups and the command reentered to display additional items.

When displaying in FORMAT 4, always use the PAGE command to continue the display. As a rule of thumb, if MORE appears, use PAGE to continue the display.

On the terminal's keyboard it is not necessary to hit the space bar after the PAGE command is entered for forward paging. For backward paging, however, the PAGE command must be followed by hitting the space bar and the minus character prior to transmitting.

Change Your Mind?

To make changes on the UTS 400 terminal after you have typed in a command, try the following procedures:

1. Assume that you have expanded a term and have already typed in

SELECT E6,E8,E11,E14

and wish to change this to read

DISPLAY E6,E8,E11,E14/4

Without reentering the command, send the cursor to the home position, type DISPLA over the word SELECT, then hit the INSERT key, type Y followed by a space, and move the cursor back into position to the right of E14. Now you are ready to complete the command by typing /4 and transmitting.

2. Assume that you have just entered an equation that you do not want to reenter, but you want to change the COMBINE command to the SEARCH command so that you can include a term not yet selected. For example, you have entered:

COMBINE 1+(2+5)*(3+4+6)+

and you want to add some additional terms. To make this correction, return the cursor to the home position, and over the word COMBINE, type SEARCH followed by a space to delete the final letter. This will result in two spaces between the command and the equation. To delete the second space following the word SEARCH hit the DELETE key. This will move the entire equation to the left.

Changes made on a dial-in terminal are made by simply back-spacing to the character to be changed and rekeying the rest of the command.

From Your RECON
Coordinator

We would like to welcome Pam Barrett as our second RECON Coordinator. She is replacing Scott Brittian, who has relocated within the company. Pam will work with Mike Moriarty in providing assistance to the RECON community.



National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

79/8

AUGUST 1979

CONTENTS

Data Element Labeling

PAGE

1

Format 6

3

Data Element Labeling

The RECON software was modified in early August to enhance the readability of RECON output and to increase the user's ability to recognize data fields within a citation. These alterations include indentations that allow data elements to be easily identified, the addition of more prefixes to identify the data fields, and output lines that terminate between words. These modifications affect the DISPLAY, TYPE, and PRINT commands in all formats except Format 1.

The prefixes and their meanings, applicable to all STIMS Linear Files accessed by RECON, are shown in the following table:

| <u>Prefix (Label)</u> | <u>Field Description</u> |
|-----------------------|----------------------------------|
| ABA:* | Abstract Author |
| ABS:* | Abstract |
| ANI:* | Analytic Item |
| ANN:* | Analytic Note |
| AUTH:* | Personal Author |
| CNT#: | Contract Number |
| CORP:* | Corporate Source |
| CSS: | Corporate Source Supplementary |
| DDT: | Deletion Date |
| MAJS:* | Major Subject Terms |
| MINS:* | Minor Subject Terms |
| PAA: | Personal Author Affiliate |
| PAN: | Personal Author Note |
| PAT: | Personal Author Type |
| RPT#: | Report Number |
| SAP: | Sales Agency and Pricing |
| SUM:* | Data Summary |
| TLSP: | Title Supplement |
| UNOC:* | Unclassified Notation of Content |
| USE:* | Use Statement |
| UTTL:* | Unclassified Title |

* The above labels marked by asterisks are "flush left labels" with some examples shown in figures that follow.

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546

Data Element Labeling
(Continued)

Following are three examples from the Facility Xerox 1200 that show the new modifications:

"flush left" labels

79A38964*# ISSUE 16 PAGE 2932 CATEGORY 7 RPT#:
AIAA PAPER 79-1157 79/06/00 14 PAGES UNCLASSIFIED
DOCUMENT

UTTL: General aviation turbine engine /GATE/ concepts
AUTH: A/LAYS, E. J.; B/MURRAY, D. L. PAA: B/(Williams
Research Corp., Walled Lake, Mich.)
CORP: Williams Research Corp., Walled Lake, Mich.
AIAA, SAE, and ASME, Joint Propulsion Conference,
15th, Las Vegas, Nev., June 18-20, 1979, AIAA 14 p.
NASA-sponsored research.
MAJS: /*AIRCRAFT ENGINES/*ENGINE DESIGN/*GENERAL AVIATION
AIRCRAFT/*PRODUCT DEVELOPMENT/*TURBINE ENGINES
MINS: / AIRCRAFT CONFIGURATIONS/ FUEL CONSUMPTION/ GRAPHS
(CHARTS)/ LIFE CYCLE COSTS/ MARKET RESEARCH/ PISTON
ENGINES/ TECHNOLOGY UTILIZATION
ABA: S.D.
ABS: The paper deals with only a portion of the work done
by Williams Research Corporation for NASA. It provides
a look at possible new-generation powerplants that
offer the potential for remarkable airplane
performance gains with attendant safety, utility,
productivity and life cycle cost benefits. Attention
is given to a turboprop engine concept and
applications. A turboprop engine having core components
in common with the turboprop is also discussed and an
airplane application shown. Some of the more important
findings are presented.

79N22049*# ISSUE 13 PAGE 1659 CATEGORY 2 RPT#:
NASA-CR-152271 TRW-30584-6002-RU-00-PT-2 CNT#:
NAS2-9579 79/01/00 2 VOLS 70 PAGES UNCLASSIFIED
DOCUMENT

UTTL: Evaluation of the discrete vortex wake cross flow
model using vector computers. Part 2: User's manual
for DIVORCE
AUTH: A/DEFFENBAUGH, F. D.; B/VITZ, J. F.
CORP: TRW Defense and Space Systems Group, Redondo Beach,
Calif. AVAIL NTIS SAP: HC A04/MF A01
MAJS: /*CROSS FLOW/*FLOW MEASUREMENT/*USER MANUALS (COMPUTER
PROGRAMS)/*VORTICES
MINS: / CDC 6600 COMPUTER/ CDC 7600 COMPUTER/ FORTRAN/
TURBULENT FLOW/ VECTOR ANALYSIS
ABA: G.Y.
ABS: The users manual for the Discrete Vortex Cross flow
Evaluator (DIVORCE) computer program is presented.
DIVORCE was developed in FORTRAN 4 for the CDC 6600
and CDC 7600 machines. Optimal calls to a NASA vector
subroutine package are provided for use with the CDC
7600.

79V12000 1978 ISS: 00 HB97.5.D45 LC-78-380750

AUTH: A/De Vincenti, Claudio.; B/Marx, Karl.; C/Sraffa,
Piero. B/1818-1883.
UTTL: Marx e Sraffa : ILSP: note su un dibattito di teoria
economica / Claudio De Vincenti.
De Donato, Bari : 153 p. : 21 cm.
Ideologia e societ a L4000 Includes bibliographical
references.
LC: Marxian economics.
MAIN-AUTH TRACE-SERS*TITL* CATLG BY-LC
/ / Publ In ITALY

ORIGINAL PAGE IS
OF POOR QUALITY

Data Element Labeling
(Continued)

The specified format example below (photographically reduced) was made on the RECON Coordinator's printer at 80 characters per line. It is the same for all Dial-Up printers.

```
KACL.PDT.RN.CN.AU.PAG:UTL
FORMAT-DEFINITION ACCEPTED.
      DISPLAY 79N10038/4
79N10038 78/09/00 RPT# : NASA-CR-152187 CNT# : NAS2-9460 AUTH:
A/FLANAGAN, P. F. 49 PAGES
UTL: IMPLEMENTATION OF AN OPTIMUM PROFILE GUIDANCE SYSTEM ON SIILAND
```

Format 6

At the request of many users, a format without an abstract has been developed. It is Format 6, which is the same as Format 2, less the abstract. The first example is an A79 item. The second example is a 79V (NALNET) item. It should be noted that the Formats 2 and 6 for NALNET are identical.

```
      PRINT 08/6/1      TERMINAL=67
79A21738  ISSUE 7  PAGE 1160  CATEGORY 33
78/00/00  3 PAGES  UNCLASSIFIED DOCUMENT
UTTL: Electrostatic damage susceptibility of semiconductor
      devices
AUTH: A/SCHREIER, L. A.  PAA: A/(Hughes Aircraft Co.,
      Technology Support Div., Culver City, Calif.)
      In: Reliability physics 1978; Proceedings of the
      International Symposium, San Diego, Calif., April
      18-20, 1978. (A79-21726 07-33) New York, Institute of
      Electrical and Electronics Engineers, Inc., 1978, p.
      151-153.
MAJS: /*COMPONENT RELIABILITY/*ELECTRIC DISCHARGES/*
      ELECTROSTATICS/*FAILURE ANALYSIS/*SEMICONDUCTOR
      DEVICES
MINS: / ELECTRONIC EQUIPMENT TESTS/ PERFORMANCE TESTS/ TEST
      EQUIPMENT/ THRESHOLDS/ WAVEFORMS
ABA: (Author)
```

```
79V11000 1978 ISS: 00 QB1.D25 BD. 44 8-774500-38-4
526.08 S: 526.709489 LC-78-400634 QB337.5.D4
AUTH: A/Bedsted Andersen, Ole.
UTTL: Bouguer anomaly map of Denmark and surrounding waters
      / by Ole Bedsted Andersen.
      Bianco Lunos Bogtrykkeri, København : 7, (1) p. : map
      (1 fold, col. in pocket) ; 29 cm.
      Geod tisk institutets skrifter : 3. raekke : bd. 44
      Bibliography: p. (8)
      LC: Gravity anomalies -- Denmark. Gravity anomalies --
      North Sea.
      ADDED: E*DK** LN**** Denmark. Geod tisk institut.
      Skrifter. Memoires, 3. ; bd. 44.
      MAIN-AUTH TRACE-SERS*CORP*TITL* CATLG BY-LC
      / / Pub1 In DENMARK
```



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/9

SEPTEMBER 1979

CONTENTS

PAGE

The BEGIN SEARCH Display - Leased Line

1

The BEGIN SEARCH Display - Dial-Up

2

The BEGIN SEARCH
Display - Leased
Line

When a BEGIN SEARCH command is entered, the following
questionnaire is displayed on the user's CRT terminal screen:

```
BEGIN SEARCH/ PRESS TAB AFTER FIRST ENTRY/ TRANSMIT AFTER LAST ENTRY
TITLE OR ID:(1)                                USERID: (2)
SET SAVE:(3)  (IF YOU WISH TO KEEP PREVIOUS SETS RESPOND 'YES')
LETTER OR NUMBER OF DESIRED FILE COLLECTION:(4)
  (THE FOLLOWING FILES ARE AVAILABLE FOR YOU TO SEARCH, IF YOU ARE AUTHORIZED)
A-STAR, IAA                                H-UNCLASS ALTERN FILES        O-FUTURE FILE
B-UNLIMITED, UNCLASS SERIES I-ASROI SAFETY FILES        P-FUTURE FILE
C-R&DCS FILE                                J-FUTURE FILE                Q-FUTURE FILE
D-INCLUDES A, B, C, E AND I K-FUTURE FILE                R-FUTURE FILE
E-R&DCS, RTOP, RR FILES                    L-RPCS FILE                  S-FUTURE FILE
F-NALNET BOOKS                             M-NALNET PERIODICALS        T-FUTURE FILE
G-ALTERNATE DATABASE                      N-INCLUDES D AND F          U-FUTURE FILE
```

ENTER:

The questionnaire contains four sections, three of which should be completed to give the user the greatest number of options while doing searches. Note that subparagraph numbers pertain to the numbers enclosed by parentheses.

(1) TITLE OR ID - It is recommended that the user supply a short title for each search. However, the word TEST or even a single letter will suffice. Otherwise, the user will be restricted to the DEFAULT file collection.

(2) USERID - The user should not complete the USERID portion of the BEGIN SEARCH questionnaire because the processing of this data is not currently implemented.

(3) SET SAVE - Once a BEGIN SEARCH command is entered, the user may still retain the previously created sets by responding to the BEGIN SEARCH questionnaire in the following manner:

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546.

- o Insert a word, letter, or symbol in the TITLE OR ID area.
- o TAB to SET SAVE and enter "YES".

A request to save previous sets automatically places the user in the file collection used for the previous sets, and the file collection cannot be changed even by completing the file collection entry. No entry in the SET SAVE space will automatically delete the old sets.

(4) LETTER OR NUMBER OF DESIRED FILE COLLECTIONS - To aid the user, descriptions of all file collections are displayed on the questionnaire. The users can search only those file collections for which they are authorized. They cannot alter their authorizations or their default file collections at the terminal. Help is available from the RECON coordinator.

The BEGIN SEARCH Display - Dial-Up

When a BEGIN SEARCH command is entered by the dial-up user, the following information is received:

BEGIN-SEARCH/ENTER DATA IN THE SAME ORDER FOR THE FOLLOWING FIELDS, SEPARATED BY SEMICOLONS: (1) SEARCH TITLE; (2) SEARCHER'S NAME; (3) REQUESTER'S NAME; (4) STREET ADDRESS; (5) CITY/STATE/ZIP; (6) SET SAVE; (7) AND FILE COLLECTION CODE. ENTER ALL FIELDS. PRIME AND ALTERNATE DATA BASES ARE ONLINE. THE FOLLOWING FILES ARE AVAILABLE TO SEARCH IF YOU ARE AUTHORIZED.

| | | |
|----------------------------|------------------------|---------------|
| A-STAR,IAA | M-UNCLASS ALTERN FILES | O-FUTURE FILE |
| B-UNLIMITED,UNCLASS SERIES | I-ASRDI SAFETY FILES | P-FUTURE FILE |
| C-R&DCS FILE | J-FUTURE FILE | Q-FUTURE FILE |
| D-INCLUDES A,B,C,E AND I | K-FUTURE FILE | R-FUTURE FILE |
| E-R&DCS,RTOP,RR FILES | L-RPCS FILE | S-FUTURE FILE |
| F-NALNET BOOKS | M-NALNET PERIODICALS | T-FUTURE FILE |
| G-ALTERNATE DATABASE | N-INCLUDES D AND F | U-FUTURE FILE |

ENTER:

The questionnaire contains seven sections that should be handled as follows:

- (1) Search Title - Enter short title and semicolon.
- (2) Searcher's Name - Enter data and/or semicolon.
- (3) Requester's Name - Enter data and/or semicolon.
- (4) Street Address - Enter data and/or semicolon.
- (5) City/State/Zip - Enter data and/or semicolon.
- (6) Set Save - Enter YES if you wish to save previous sets, otherwise enter semicolon.
- (7) File Collection - Enter File Collection Code

Again, as for the Leased Line Terminals, a request to save previous sets automatically places the user in the file collection used for the previous sets, and the file collection cannot be changed even by completing the file collection entry.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/10

OCTOBER 1979

| CONTENTS | PAGE |
|---|------|
| Technique for DISPLAYING | 1 |
| New QUERY Subcommand DISPLAY | 2 |
| Special Notice about Default File D for Selected Dial-In Users | 3 |

Technique for
DISPLAYING through
Specified Formatted
Items (Applicable to
both UTS 400 and
Dial-In Users)

When PAGEing through a specified format set of items, any
KEEP command negates further PAGEing. The analyst must
start over with the original DISPLAY command (see Example 1)
or remember the last item of the set displayed and start
DISPLAYing from that item (see Example 2).

EXAMPLE 1

ENTER: DISPLAY 1/4/ALL

Displayed on the screen are items 1-5

EXAMPLE 2

ENTER: DISPLAY 1/4/6-12

Displayed on the screen are items 6-12

Normally, the DISPLAY command gives the next item cumu-
latively from the beginning of the set as shown in the
following example:

EXAMPLE 3

| <u>COMMAND</u> | <u>DISPLAYED ON SCREEN</u> |
|------------------------|----------------------------|
| ENTER: DISPLAY 1/4/ALL | Items 1-5 |
| ENTER: DISPLAY | Items 2-6 |
| ENTER: DISPLAY | Items 3-7 |

Usually, the analyst is not interested in having items re-
peated cumulatively but in having items displayed sequen-
tially beginning with the next consecutive number follow-
ing the last group of items displayed.

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Coordinator at the NASA Scientific and Technical Information
Facility in Baltimore, Maryland. (Telephone: (301)-796-5300
ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be
directed to Norm McCabe (Telephone: (202)-755-3465, NASA
Headquarters, Code NST-42, Washington, D. C. 20546.

The following example is a suggested technique for working through a set of specified formatted items while using the KEEP command.

Because PAGEing becomes invalid when the KEEP command is used, use the DISPLAY command with offsets (e.g., +5 or +7) to account for the number of items currently shown on the screen.

EXAMPLE

| <u>COMMAND</u> | <u>SHOWN ON SCREEN</u> |
|-----------------|-------------------------------|
| DISPLAY 1/4/ALL | Items 1-5 (5 items) |
| KEEP 1/3 | Items 1-5 (Keep item 3) |
| DISPLAY +5 | Items 6-12 (7 items) |
| KEEP 1/9-10 | Items 6-12 (Keep items 9, 10) |
| DISPLAY +7 | Items 13-18 (6 items) |

Each time the DISPLAY command is executed, PAGEing is reactivated (as shown by the appearance of the word MORE on the bottom line of the screen). However, the PAGE command cannot be interspersed effectively with the DISPLAY and KEEP commands because while PAGEing will advance the items of a set after the DISPLAY command is executed, the cumulative counter for displayed items is not advanced, and future DISPLAYs with offsets probably will not give the desired results. The use of DISPLAYs with offsets only (without the use of PAGEing) is more effective because the analyst does not need to keep track of the number of items bypassed during PAGEing. DISPLAYs with offsets can be positive or negative; therefore the analyst can work back and forth through the set as desired. A set can be restarted at any point within the set merely by DISPLAYing from that item and specifying a range of items (for example, DISPLAY 1/4/19-30) and advanced with offsets from that point.

New QUERY Sub-command, DISPLAY

A new QUERY subcommand, DISPLAY, added to the NASA/RECON System, provides the user with the capability to view selected lines of a stored search (QUERY) sequence. These selected lines will appear on the terminal screen, or in the case of dial-ups, on the printer.

The format of the DISPLAY subcommand is the following:

| | |
|---------------|--------------------------|
| QUERY DISPLAY | Sequence NAME/Line RANGE |
| or | |
| QUERY DISP | |

The line range is optional.

The command in the following example will display only lines 2-9 of the stored search sequence named QSEQTEST.

QUERY DISPLAY QSEQTEST/2-9

The command in the next example will display the first page of the sequence (22 lines for a UTS 400 or 10 lines for a dial-up terminal).

EXAMPLE:

QUERY DISPLAY QSEQTEST

The following format is used to display sequences being created or edited:

QUERY DISPLAY
or
QUERY DISPLAY/line range

EXAMPLE:

QUERY DISPLAY /2-9

This command will display lines 2-9 of the sequence currently being created or edited.

If the optional line range is omitted, the display will start with the first line of the sequence and will continue until a full page is shown or the end of the sequence is reached.

Special Notice
about Default File
D for Selected Dial-
In Users

On October 29, 1979, File D as default file will be made available to those few NASA/RECON users whose scope of access had included File D but whose default file had been B.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/11

NOVEMBER 1979

CONTENTS

| | <u>Page</u> |
|--|-------------|
| Personnel Changes | 1 |
| NASA RECON Performance Record | 1 |
| Report Number Searching (Courtesy of Denise Rich of Valley Forge Space Center, General Electric Company) | 1 |
| RECON News Enhancements | 2 |
| New Dial-In Terminal Response | 3 |
| Elimination of the Prompt 'ENTER:' under Certain Conditions. | 3 |

Personnel Changes

Two members of NASA Headquarters' Systems and Retrieval Section responsible for NASA RECON planning and policy have recently received promotions. Charles W. Hargrave is now Head of the Acquisition and Dissemination Section (NST-44) and Norman H. McCabe is currently heading the document acquisition and evaluation program in that section.

Congratulations, Norm and Charles!

Meanwhile, they are continuing to help both the STI Facility and the S&R Section (Bill Brown, Rex Talbert, Van Wente) keep things going until their replacements are found.

NASA RECON Performance Record

Two new RECON records were established during October. The first - the highest number of commands in one day - 13,051; the second, the highest number of commands in one week - 53,997.

Excerpts from Denise's letter

Report Number Searching (Courtesy of Denise Rich of Valley Forge Space Center, General Electric Company)

"Had a thought about what you might include in the RECON newsletter. Today I was trying to find NASA-TMX-69355. I expanded on NASA-TMX-69355 to find that there are quite a few cataloged as TMX but 69355 was not listed. Luckily I had the author's name and in expanding upon his name and displaying the results, I noticed that I should have searched under TM-X-69355. I probably never would have thought to do

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ext 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546)

this so maybe other searchers are having the same problem. I called June Silvester and she said that it was a cataloging error. Is there any way these can be corrected rapidly? I know just from our own in-house cataloging how hard it is to be consistent. If there are other cataloging errors we ought to be made aware of, please do so in the newsletter."

First, Denise, thanks for your input to this issue of the Bulletin.

Now, some observations. With a file containing one and a half million accessions, some anomalies must be expected.

A NASA Technical Memorandum is a TMX and is entered correctly as NASA-TM-X-69355.

Incorrect entries are as follows:

NASA-TMX-69355 (as furnished by your requester)
NASA-TM X 69355
NASA TM-X-69355
and other permutations with and without hyphens.

Normally, all report numbers on the NASA file contain hyphens between short segments. The same rule applies to contract numbers. To determine the correct input format, a perusal of the numeric indexes in a STAR or IAA semiannual or annual index will be helpful for nontextual entries. A few report number examples are shown here.

Report Numbers

| | |
|----------------|-------------------------|
| NASA-CR-1234 | NASA-RP-1022 |
| NASA-CR-123654 | NASA-NEWS-RELEASE-79-35 |
| NASA-CP-2052 | NASA-TP-1415 |
| NASA-SP-342 | AD-A001234 |
| NASA-TM-X-2601 | AGARD-CP-244 |
| NASA-TM-79219 | RAE-LIB-TRANS-1924 |

RECON News Enhancements

Two types of RECON News have been developed. The first type will contain news of general interest to users and will only be available through the use of the HELP NEWS command.

The second type will contain news deemed to be urgently needed by users and will be known as the emergency news or simply ENEWS. The RECON coordinators, through the use of a master terminal command, can allow this news to be displayed on users' terminals after any type of BEGIN or END search commands. If necessary, the coordinators can also broadcast the ENEWS to all users. However, the need for

the RECON coordinators to use these capabilities should be infrequent so that in the majority of cases there will no longer be an automatic display of the RECON News. Individual users may display the ENEWS at their own terminals by using the HELP ENEWS command.

This applies to both Dial-In and CRT terminals.

New Dial-In Terminal
Response

The New Terminal response to a SIGNOFF command from a Dial-In terminal gives the last uninterrupted duration of the search session.

Example: 'SIGNOFF ACCEPTED, SESSION DURATION
XXX.YY MINS., USER DISCONNECTED'

XXX = MINUTES
YY = HUNDREDTHS OF MINUTES

Elimination of the
Prompt 'ENTER:'
under Certain
Conditions

The RECON prompt 'ENTER:' will not be displayed during intermediate results of SEARCH EXPRESSION or QUERY EXECUTE commands on Dial-In or CRT terminals. The 'ENTER:' will appear only after the last command in the sequence is executed.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

79/12

DECEMBER 1979

CONTENTS

Page

| | |
|---|---|
| Technique for Displaying (79/10 of Oct.) Superseded | 1 |
| LIMIT ALL - Second Cautionary Note | 1 |
| Accession Number Format | 1 |
| Season's Greetings | 2 |

Technique for Dis- playing Superseded

The DISPLAY technique for a specified format set of items, described in NASA RECON USER'S BULLETIN 79/10, October 1979, is superseded by a KEEP command that now allows further PAGE-ing without loss of continuity in the items comprising the displayed set in Format 4. The user can display a set in Format 4, KEEP one or more items, use the PAGE command to enter the next display without the problems formerly asso-ciated with the PAGE commands. (Applicable to both UTS 400 and Dial-In Users.)

LIMIT ALL - Second Cautionary Note

The LIMIT ALL command has recently been reported to mal-function on a haphazard basis. The "malfunctioning" of the command was confirmed at the Facility - and on a hap-hazard basis.

The conclusion: The LIMIT ALL command entered as LIMIT ALL 79 or LA 79 (for the Dial-In) operates correctly. The intro-duction of a slash / before the 79 (or any other year or ranges of years) is accepted by the system but will produce "NO HITS," e.g. LA /79 or LIMIT ALL /79. The instructions on pages 5-49 and 5-50 of the RECON User's Manual were super-seded in March, 1979. Your attention is re-invited to page 3 of the RECON User's Bulletin 79/3 of March 1979. (Applicable to both UTS 400 and Dial-In Users.)

Accession Number Format

Format 1, accession numbers only, is the granddaddy of the output formats for computerized retrieval systems. It was a terse, onerous format in the early 1960's; a library techni-cian handed 50 to 150 accession or reference numbers could spend several hours or days in locating, transcribing, or gathering bibliographic data from 3 x 5 cards or other local records. Format 1, however, is useful for certain tasks.

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ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

Accession Number
Format (Cont.)

With the added capability of SPECIFY FORMAT, it is now possible to list accession numbers in a vertical column that permits easy checking and adequate space for hand-written or typed notes. The two variants are shown in Figures 1 and 2.

```
-----  
1      418      418 ST/SUPERCRITICAL WINGS  
KACC  
FORMAT-DEFINITION ACCEPTED.  
      DISPLAY 01/1/1-176  
79K10762 79K10741 79K10333 79K10003 78K10860 78K10847 77K12463 77K12461  
77K12334 77K11228 77K10114 77K10112 76K12177 76K10859 75K11284 74K11538  
74K11134 79M10078 77M10003 79X76447 79X76446 79X76445 79X75800 79X74426  
79X72831 79X72514 79X72512 79X72511  
79X72500 79X72500 79X72500 79X72500 79X72500 79X72500 79X72500 79X72500
```

Figure 1 (DISPLAY 1/1)

```
      DISPLAY 01/4/1-22 OF 157  
79K10762  
79K10741  
79K10333  
79K10003  
78K10860  
78K10847  
77K12463  
77K12461  
77K12334  
77K11228  
77K10114  
77K10112  
76K12177  
76K10859  
75K11284  
74K11538  
74K11134  
79M10078  
77M10003  
79X76447  
79X76446  
79X76445  
ENTER:
```

SPECIFY FORMAT ACC

Figure 2 (DISPLAY 1/4)

A print command of set 1 in Format 4 will result in two columns of accession numbers, eighteen per column and double spaced on each page. Set 1, containing 418 accessions, would be printed on 12 pages, 11 pages with 36 numbers, and the last page with 22 accession numbers.

Season's Greetings

The NASA Scientific and Technical Information Branch at NASA Headquarters joins the NASA STI Facility in dispatching Season's Greetings to all of our friends in the field.

1980



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/1

JANUARY 1980

CONTENTS

PAGE

| | |
|--|---|
| Increased Transmission Rates | 1 |
| Reduction of Output Volume for Dial-In Terminal | 1 |
| Full-Screen Utilization on the UTS 400 Terminal for the Frequency Command | 1 |
| The IAA NOT (Notes) Field | 2 |

Increased Trans- mission Rates over Dedicated Lines

As of January 31, UTS 400 terminal transmission rates have been increased on all of the major dedicated lines -- Facility-Langley-North Carolina-Kennedy; Facility-Marshall/Redstone-Johnson; Facility-Goddard-Headquarters-Wallops; Facility-Los Angeles-JPL-Ames; and Facility-AIAA-Cleveland-Pittsburgh-Indianapolis -- all from 2400 to 9600 baud, a fourfold increase.

Reduction of Output Volume for Dial-In Terminal

New software modifications implemented for the dial-in terminal printers delete the trailing blank spaces in lines of formatted data. The familiar RECEIVED message after a RECON command has been removed by the same software modification.

A significant decrease in transmission time per record or per command with a concomitant savings in terminal paper results from these changes.

Full-Screen Utiliza- tion on the UTS 400 Terminal for the Fre- quency Command

Currently the Frequency Command uses about one half of the UTS 400 Terminal screen, displaying a total of 19 F references in two columns. The screen display was originally developed for the Bunker Ramo terminal. Software is being developed for full-screen utilization and will probably be implemented in late January.

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ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

The IAA NOT(Notes)
Field

The IAA 1972 Imprint and Notes field (Tag No. 171) whose mnemonic is "NOT" was implemented in 1972 for A10K series. The field is used for conference titles, for "IN" notes, and for journal or periodical titles including issue number, volume number, page span, etc.

For conference or symposium notes, the annotation is contained in parentheses.

The field is useful for sorting on sets that are limited to the A series, particularly for years' spans between 1972 and 1980. A sort on such sets will contain two principal alphabetized sorts - the first on the initial parenthetical statements followed by the second on the non-parenthetical statements.

A pure sort on journal titles will be possible after a new field called "Journal Title" with a mnemonic JTL is implemented. The field has been defined with its implementation date uncertain at this time.

Figures 1 and 2 show the "NOT" sort for the first two pages of an IAA set of 120 items. (The Specified Format for the figures is ACC, NOT; PDT, RN, PAG; UTL. (Applicable to both UTS 400 and Dial-In Users.)

See Page 3 for Figures 1 and 2

- PRINT 13/4/1-120 TERMINAL 68
- 79A38435 (American Institute of Physics and Institute of Electrical and Electronics Engineers, Annual Conference on Magnetism and Magnetic Materials, 34th, Cleveland, Ohio, Nov. 14-18, 1978.) Journal of Applied Physics, vol. 50, Mar. 1979, pt. 2, p. 2425-2427.
79/03/00 3 PAGES
UTTL: Magnetic and metallurgical properties of directionally solidified eutectic Bi/MnBi composites - The effects of annealing
- 79A18874 (British Interplanetary Society, Meeting on Spacelab Materials Research and Processing, London, England, Sept. 14, 15, 1977.) British Interplanetary Society, Journal (Space Technology), vol. 32, Jan. 1979, p. 37-40.
79/01/00 4 PAGES
UTTL: Convective thermocapillary and thermomolecular fluid flow in low-G environment
- 79A20684 (Centre National de la Recherche Scientifique, Colloque sur le Titane, Rennes, France, Nov. 16, 17, 1978.) Journal of the Less-Common Metals, vol. 56, Dec. 1977, p. 215-222.
77/12/00 8 PAGES
UTTL: Structure and growth of anodic oxide films on titanium and Ti-6Al-4V alloy
- 79A49317 (Institute of Electrical and Electronics Engineers, International Semiconductor Laser Conference, San Francisco, Calif., Oct. 30-Nov. 1, 1978.) IEEE Journal of Quantum Electronics, vol. 24, Aug. 1978, p. 756-761.
79/08/00 6 PAGES
UTTL: Quantum-well Al_xGa_{1-x}/As-GaAs heterostructure lasers grown by metalorganic chemical vapor deposition
- 79A49304 (Institute of Electrical and Electronics Engineers, International Semiconductor Laser Conference, San Francisco, Calif., Oct. 30-Nov. 1, 1978.) IEEE Journal of Quantum Electronics, vol. 24, Aug. 1978, p. 688-693. Research supported by the RCA Laboratories, U.S. Army, and DARPA.
79/08/00 6 PAGES
UTTL: Reliability of vapor-grown InGaAs and InGaAsP heterojunction laser structures
- 79A12781 (Metallovedenie i Termicheskaya Obrabotka Metallov, no. 4, 1978, p. 78, 79.) Metal Science and Heat Treatment, vol. 20, no. 3-4, Sept. 1978, p. 344, 345. Translation.
78/09/00 2 PAGES
UTTL: Recrystallization of ultra fine-grained beryllium
- 79A19468 (NASA Ames Research Center and American Vacuum Society, Symposium on the Use of the Space Shuttle for Science and Engineering, Moffett Field, Calif., May 9-11, 1977.) Journal of Vacuum Science and Technology, vol. 14, Nov.-Dec. 1977, p. 1263-1264.
77/12/00 6 PAGES
UTTL: Materials processing in Spacelab
- 79A19475 (NASA Ames Research Center and American Vacuum Society, Symposium on the Use of the Space Shuttle for Science and Engineering, Moffett Field, Calif., May 9-11, 1977.) Journal of Vacuum Science and Technology, vol. 14, Nov.-Dec. 1977, p. 1292, 1293.
77/12/00 2 PAGES
UTTL: Electron-beam microzone refining of narrow band-gap semiconducting alloy layers
- 79A19466 (NASA Ames Research Center and American Vacuum Society, Symposium on the Use of the Space Shuttle for Science and Engineering, Moffett Field, Calif., May 9-11, 1977.) Journal of Vacuum Science and Technology, vol. 14, Nov.-Dec. 1977, p. 1252-1257.
77/12/00 6 PAGES
UTTL: Spacelab and material processing facilities and experiments
- 79A49616 (Plasma v Astronomicheskii Zhurnal, vol. 3, Nov. 1977, p. 518-521.) Soviet Astronomy Letters, vol. 3, Nov.-Dec. 1977, p. 283-285. Translation.
77/12/00 3 PAGES
UTTL: Simulation of cometary grains
- 79A36310 (Royal Society, Discussion on the Materials Behaviour in Low Gravity Conditions, London, England, Dec. 13, 1978.) Royal Society (London), Proceedings, Series A - Mathematical and Physical Sciences, vol. 361, no. 1708, May 11, 1978, p. 191-196.
79/05/11 6 PAGES
UTTL: Priorities in the initial use of Spacelab for crystal growth
- 79A36311 (Royal Society, Discussion on the Materials Behaviour in Low Gravity Conditions, London, England, Dec. 13, 1978.) Royal Society (London), Proceedings, Series A - Mathematical and Physical Sciences, vol. 361, no. 1705, May 11, 1978, p. 157-164.
78/05/11 9 PAGES
UTTL: Materials behaviour in low gravity environment
- 79A29274 (Societe Francaise de Metallurgie, Journees Metallurgiques d'Automne, Paris, France, Oct. 1978.) Memoires Scientifiques de la Revue de Metallurgie, vol. 75, Feb. 1978, p. 93-100. In French. Research supported by the Societe Pechiney Ugine Kuhlmann and Societe des Automobiles Peugeot.
78/02/00 8 PAGES
UTTL: Growth by propagation of twinning planes or the eutectic compounds in the ternary Al-Fe-Si system
- 79A27038 (Svarochnoe Proizvodstvo, no. 5, 1978, p. 1-3.) Welding Production, vol. 25, May 1978, p. 1-3. Translation.
78/05/00 3 PAGES
UTTL: The effect of electromagnetic action on the primary solidification of titanium
- 79A10551 Acta Electronica, vol. 20, no. 2, 1977, p. 101-116. In French.
77/00/00 16 PAGES
UTTL: Silicon for solar photocells
- 79A10553 Acta Electronica, vol. 20, no. 2, 1977, p. 133-151. In French.
77/00/00 19 PAGES
UTTL: Single crystal silicon photocells for terrestrial use - State of the art and perspectives on the future
- 79A42814 Acta Metallurgica, vol. 27, July 1979, p. 1135-1145, 1147-1155. Research supported by Marquette University.
79/07/00 20 PAGES
UTTL: Discontinuous coarsening of lamellar cellular precipitate in an austenitic Fe-30 wt.% Ni-6 wt.% Ti alloy. I - Morphology. II - Growth kinetics
- 79A12445 Acta Metallurgica, vol. 25, Oct. 1977, p. 1151-1162.
77/10/00 12 PAGES
UTTL: An experimental study of the martensite nucleation and growth in 18/8 stainless steel
- 79A51669 Akademiya Nauk Armianskoi SSR, Doklady, vol. 66, no. 2, 1978, p. 91-97. In Russian.
78/00/00 7 PAGES
UTTL: Optimization of the crystal area of high-power multiemitter transistors
- 79A53609 American Astronautical Society and Deutsche Gesellschaft fuer Luft- und Raumfahrt, Goddard Memorial Symposium, 16th, Washington, D.C., Mar. 8-10, 1978, AAS 11 p. Bundesministerium fuer Forschung und Technologie
78/03/00 RPT# AAS PAPER 78-027 11 PAGES
UTTL: The German Space Processing Lab and its experiment facilities
- 79A18416 American Ceramic Society, Journal, vol. 61, Sept.-Oct. 1978, p. 425-429.
78/10/00 5 PAGES
UTTL: Microstructure of SiC prepared by chemical vapor deposition
- 79A44172 American Ceramic Society Bulletin, vol. 57, June 1978, p. 609, 610. ERDA-NASA-sponsored research.
78/06/00 2 PAGES
UTTL: Casting large silicon crystals in clear silica crucibles
- 79A11547 American Ceramic Society, Journal, vol. 60, Sept.-Oct. 1977, p. 428-435.
77/10/00 8 PAGES
UTTL: Directionally solidified ceramic eutectics
- 79A38032 American Institute of Aeronautics and Astronautics, Thermophysics Conference, 14th, Orlando, Fla., June 4-6, 1979, 7 p.
79/06/00 RPT# AIAA PAPER 79-1049 7 PAGES
UTTL: The role of thermophysics in the design, optimization and understanding of semiconductor crystal growth in space

TERMINAL 68 PAGE 1 (ITEMS 1- 11 OF 120)

FIGURE 1

TERMINAL 68 PAGE 2 (ITEMS 12- 24 OF 120)

FIGURE 2

- 3 -

ORIGINAL PAGE IS
OF POOR QUALITY



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/2

FEBRUARY 1980

| CONTENTS | Page |
|---|------|
| Current Session Status (CU) Command | 1 |
| An Alternate Method for Removing an Accession from a Set | 1 |
| Title Search on NALNET Book File (File Collection F) - Example | 2 |
| "Data Bases On-Line in 1979" | 3 |
| UNIVAC 0774-96 Model 800 Terminal Printer - Electrosensitive Paper | 3 |
| Index for 1979 RECON User's Bulletins | 3 |

Current Session Status (CU) Command

The CU command display has been modified to include three new elements: SET(S) IN USE, ACCESSIONS KEPT, and PRINTS. See Figure 1 below.

```
          CURRENT SESSION STATUS
DATE ..... FEBRUARY 08, 1980
NASA/STIF TIME .... 07:48
FILE COLLECTION ... N
MODE ..... STANDARD
SPECIFY FORMAT .... NOT IN EFFECT
LIMIT ALL ..... NOT IN EFFECT
SET(S) IN USE ..... 30
ACCESSIONS KEPT ... KEEP SET IS EMPTY
PRINTS ..... NO PRINTS REQUESTED
```

Figure 1

An Alternate Method for Removing an Accession from a Set

The primary method for removing an accession from a given set is by use of the KEEP command. The accession is kept followed by COMBINE 1-99. Set 2 is the resultant and is devoid of the accession kept in Set 99.

An alternate method is to limit the set to the accession that is scheduled for removal. Working with Set 1, assume that 80N10011 is unwanted and scheduled for removal. Simply limit the set as follows: LIMIT 1/80/N/10011; upon execution, Set 2

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

Is created containing a single accession. Combining 1-2, Set 3 is created minus the purged citation. This technique will also work with two or more citations to be removed or purged from a given set, e.g., LIMIT 1/79/10003,11200,11500-11503, 11800, etc., up to a total of 60 character spaces.

Title Search on
NALNET Book File
(File Collection F)

As of December 31, 1979 there were 71,000 V-10K Series (Accessions with holdings) for the 14 installations that comprise the NASA Library Network. The total holdings for the network was 113,000. Also contained in the series were 272,000 titles that had been selected from the Library of Congress MARC II tapes. Text-search techniques should be exploited for this file.

To search for a title on "security of airlines" or "airline security" a text-search command could be entered: SELECT TTL/AIRLINE *9 SECURITY

This command will search all book titles for the words AIRLINE and SECURITY in the title, regardless of order, AIRLINE *9 SECURITY or SECURITY *9 AIRLINE. It should be noted that "highlighting" with double asterisks occurs on the local printer and does not occur on an overnight print order at the Facility. See Figure 2 and 3, below.

ENTER:

```

DISPLAY 01/2/2
76V22019 1976 ISS: 00 HE9797.4.S4M66 0-913708-26-7 387.7364 LC-76-45104 C
78-022852C.1: 782475
AUTH: A/MOORE, KENNETH C., A/1934-
UTIL: ** AIRPORT, AIRCRAFT & AIRLINE SECURITY ** / BY KENNETH C. MOORE.
1ST ED. SECURITY WORLD PUB. CO., LOS ANGELES : XIX, 355 P. ; 24 CM.
$14.95 INCLUDES INDEX.
LC: AIRPORTS -- SECURITY MEASURES. HIJACKING OF AIRCRAFT -- PREVENTION.
AERONAUTICS, COMMERCIAL -- FREIGHT -- SECURITY MEASURES.
NASA: / AIR CARGO/ AIR PIRACY/ AIRCRAFT SAFETY/ AIRLINE OPERATIONS/
AIRPORTS/ CARGO
MAIN-AUTH TRACE-TITL* CATLG BY-LC
/ / AVAIL: / GODDARD/ LEWIS

```

Figure 2 - Local Print on Terminal Printer

```

PRINT 01/2/1
76V22019 1976 ISS: 00 HE9797.4.S4M66 0-913708-26-7
387.7364 LC-76-45104 C 78-022852C.1: 782475
AUTH: A/MOORE, KENNETH C., A/1934-
UTIL: Airport, aircraft & airline security / by Kenneth C.
Moore.
1st ed. Security World Pub. Co., Los Angeles : xix,
355 p. ; 24 cm.
$14.95 Includes Index.
LC: Airports -- Security measures. Hijacking of
aircraft -- Prevention. Aeronautics, Commercial --
Freight -- Security measures.
NASA: / AIR CARGO/ AIR PIRACY/ AIRCRAFT SAFETY/
AIRLINE OPERATIONS/ AIRPORTS/ CARGO
MAIN-AUTH TRACE-TITL* CATLG BY-LC
/ / AVAIL: / GODDARD/ LEWIS

```

Figure 3 - Overnight Print

"Data Bases On-Line
in 1979"

"Data Bases On-Line in 1979" is an article by Martha Williams and Laurence Lannom in the Bulletin of the American Society for Information Science, Vol. 6, No. 2 of December 1979. On Pages 22-31 of the Bulletin, the article contains current data for 149 data bases that are available to subscribers from BRS, LRS, SDC, NLM, and the NY Times Information Bank. Each Base has the following seven attributes in tabular form: Data Base Name, Subject and Scope, Vendor, Start Date or Years Covered, Record Update Freq., Connect Charge (\$/Hr) and Print Charge (\$). NASA Centers are reminded that Facility personnel will search such bases upon request.

UNIVAC 077 - 96
Model 800 Terminal
Printer - Electro-
sensitive Paper

Without any unusual problems, the Facility has been using ESP 012 paper manufactured by the Nicolet Paper Co. of De Pere, Wisconsin for the Univac Terminal Printers.

Some UTS 400 users have experienced difficulties with "Fitchburg Times Print No. 3252" paper for the terminal printers. Users are hereby advised that "Times Print No. 3252" should be ordered in 10 roll batches only. If any difficulties are encountered, call Mr. Joe Casarell at Coated Products Co. (Fitchburg), P. O. Box 1106, Scranton, PA 18501, telephone (717)-347-2035 and give him the batch number of the roll of paper (Stamped on the end of the No. 3252 roll). He will then advise on the paper suitability. (Applicable to UTS 400 Users only.)

Index for 1979
NASA RECON User's
Bulletin.

The Index for NASA RECON User's Bulletins 79/1 through 79/12 is forwarded as a separate entity with this bulletin.

Index to NASA Recon User's Bulletin

**January – December 1979
79/1 through 79/12**

| <u>A</u> | <u>ISSUE</u> | <u>PAGE</u> |
|--|--------------|-------------|
| Accession Number Format | 79/12 | 1-2 |
| ASRDI Searching in File Collection D | 79/2 | 12 |
| <u>B</u> | | |
| BEGIN BYPASS File Collection Option | 79/3 | 4 |
| BEGIN SEARCH Display Dial-Up | 79/9 | 2 |
| BEGIN SEARCH Display Leased Line | 79/9 | 1-2 |
| <u>C</u> | | |
| Change Your Mind | 79/7 | 2 |
| Current SESSION STATUS Command | 79/5 | 1-2 |
| <u>D</u> | | |
| Data Bases, Using BRS, Lockheed and SDC | 79/5 | 3 |
| Data Element Labeling | 79/8 | 1-3 |
| Default File D for Selected Dial-In users, Special Notice about | 79/10 | 3 |
| Dial-In Disconnect | 79/5 | 3 |
| Dial-In Terminal Response, New | 79/11 | 3 |
| Dial-In User's Set Save | 79/6 | 1 |
| DISPLAY and PAGE Commands, Notes on | 79/7 | 1-2 |
| DISPLAY E Numbers | 79/5 | 2 |
| DISPLAYING, Technique for | 79/10 | 1-2 |
| DISPLAYING, Technique for (79/10 of Oct.) Superseded | 79/12 | 1 |
| <u>E</u> | | |
| Elimination of Redundant Commands | 79/3 | 3 |
| Elimination of The Prompt 'ENTER' under Certain Conditions | 79/11 | 3 |
| <u>F</u> | | |
| File Collection N | 79/5 | 2 |
| Format 6 | 79/8 | 3 |
| FREQUENCY Command Modification | 79/6 | 1 |
| <u>L</u> | | |
| Library Network "Stop Words" | 79/2 | 7-10 |
| LIMIT ALL Command Modifications | 79/3 | 3 |
| LIMIT ALL Secondary Cautionary Note | 79/12 | 1 |

| <u>M</u> | <u>ISSUE</u> | <u>PAGE</u> |
|--|--------------|-------------|
| Mnemonics, New | 79/3 | 2 |
| <u>N</u> | | |
| NASA RECON Performance Record | 79/11 | 1 |
| New Dial-In Terminal Response | 79/11 | 3 |
| New Mnemonics | 79/3 | 2 |
| New QUERY Subcommand DISPLAY | 79/10 | 2-3 |
| New RECON Fields for the Standard File Collection (D) | 79/2 | 10-11 |
| New Users | 79/1 | 5 |
| Notes on the DISPLAY and PAGE Command | 79/7 | 1-2 |
| Numeric Words, Text Search Using | 79/2 | 5 |
| <u>O</u> | | |
| Online NALNET Book Data Entry | 79/4 | 2-7 |
| <u>P</u> | | |
| Password ID Control | 79/3 | 5-6 |
| Personnel Changes | 79/11 | 1 |
| <u>Q</u> | | |
| QUERY | 79/1 | 2 |
| QUERY Subcommand DISPLAY, New | 79/10 | 2-3 |
| <u>R</u> | | |
| RECON Coordinators, From Your | 79/1 | 5 |
| | 79/2 | 12 |
| | 79/5 | 3 |
| | 79/7 | 3 |
| RECON News Enhancement | 79/11 | 2-3 |
| RECON Performance Record, NASA | 79/11 | 1 |
| RECON User's Manual Revision | 79/1 | 1 |
| Releasing Set 99 | 79/3 | 4 |
| Reminder (NALNET) | 79/6 | 1 |
| Report Number Searching | 79/4 | 1 |
| Report Number Searching | 79/11 | 1-2 |
| <u>S</u> | | |
| SEARCH EXPRESSION, A New RECON Command | 79/2 | 1-5 |
| SESSION STATUS Command, Current | 79/5 | 1 |

| <u>S</u> | <u>ISSUE</u> | <u>PAGE</u> |
|---|--------------|-------------|
| Simplified Format Options for PRINT, TYPE, and DISPLAY | 79/3 | 4 |
| Simplified Mnemonics | 79/3 | 1-2 |
| Special Notice about Default File D for Selected Dial-In Users | 79/10 | 3 |
| SPECIFY FORMAT Command | 79/1 | 1-2 |
| Superfluous Blanks | 79/3 | 5 |
| "Stop Words", Library Network | 79/2 | 7-10 |

| <u>T</u> | | |
|--|-------|-----|
| Technique for DISPLAYING | 79/10 | 1-2 |
| Technique for DISPLAYING (79/10 of Oct.) Superseded | 79/12 | 1 |
| Text Search Information | 79/4 | 2 |
| Text Search "Stop Words" | 79/1 | 3-4 |
| Text Search Using Numeric Words | 79/2 | 5 |
| Thesaurus Terms | 79/6 | 1 |

| <u>U</u> | | |
|--|------|---|
| Using BRS, Lockheed and SDC Data Bases | 79/5 | 3 |



National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

80/3

MARCH 1980

CONTENTS

| | <u>Page</u> |
|--|-------------|
| Current Session Status Command - Single Line (Refers to first item in 79/5) | 1 |
| RECON Search Performance | 2 |
| Training Exercise for SEARCH EXPRESSION, SORT, and SPECIFY FORMAT | 2 |

Current Session
Status Command -
Single Line

When a display is on the RECON CRT, use of the Current Session Status Command (CU) produces a display that wipes out the existing display. Use of one of the optional operands (mnemonics) with the CU command will produce a display of a single element of the nine in the full CU display. A single-line CU element will appear above the existing RECON display. The CU elements with mnemonics are listed below. A full CU command before ending a search will provide verification of prints ordered.

```
BB N
***** BEGIN SEARCH BYPASS *****
DATE/FILE      3-13-80/N
PRIMARY DATA BASE ONLINE
SET NO.OF NO.OF DESCRIPTION OF SET
NO. REC. OCC. (<+=OR, +=AND, -=NOT)
-----
```

```
ENTER:
CUD
DATE ..... MARCH 13, 1980
```

```
ENTER:
CUT
NASA/STIF TIME .... 14:17
```

```
ENTER:
CUF
FILE COLLECTION ... N
```

```
ENTER:
CUM
MODE ..... STANDARD
```

```
ENTER:
CUS
SPECIFY FORMAT .... NOT IN EFFECT
```

```
ENTER:
CUL
LIMIT ALL ..... NOT IN EFFECT
```

```
ENTER:
CUN
SET(S) IN USE ..... NO SETS CREATED
```

```
ENTER:
CUK
ACCESSIONS KEPT ... KEEP SET IS EMPTY
```

```
ENTER:
CUP
PRINTS ..... NO PRINTS REQUESTED
```

```
ENTER:
```

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ext. 286). Other problems, suggestions and comments may be directed to Norm McCabe (Telephone: (202)-755-3465, NASA Headquarters, Code NST- 42, Washington, D. C. 20546).



RECON Search
Performance

During the period July 1 through December 31, 1979 the Facility made 1198 primary data base searches for qualified requesters and evaluation forms covering 252 (21%) were received by March 1, 1980. The evaluators indicated their requirements were met completely or "for the most part" by 219 (86.9%) of the searches; 163 (64.7%) indicated no specific documents or subject areas were missing.

The overall pertinence of citations was reported to be 76.3%, with 49% of the citations considered to be related precisely to the evaluators' requirements.

For the same period, 3427 RECON searches made by field users were mailed to the appropriate users with evaluation forms. From a return of 285 (8.3%) and on a usefulness scale of 1 to 7, 67 were rated at 7; 76 at 6; 111 at 5; 15 at 4; 8 at 3; and 4 at 2.

Field users' evaluations on NHQ Form 110 are very important and again RECON coordinators at the Centers and other installations are reminded and encouraged to collect and submit the forms to NASA Headquarters.

Training Exercise
for SEARCH EXPRES-
SION, SORT, AND
SPECIFY FORMAT

The following example has been developed as a training exercise for RECON operators to gain skill using SEARCH EXPRESSION (SE), SORT (SO), and SPECIFY FORMAT (SF).

The relatively new term ACID RAIN was chosen for the exercise because of its small document (and occurrence) population - 8 by title, 12 by abstract and 67 by the Thesaurus subject term.

SE UTP/'ACID RAIN'+AX/'ACID RAIN'+ST/ACID RAIN results in sets 1 to 4 below (Figure 1).

| | | | | | |
|-----------------------------------|----------|--------------------------------------|----------|---------------|----------|
| | | SEARCH NO. 012 | | | |
| | | SEARCH TITLE ACID RAIN SORTED BY CN | | | |
| | | DATE/FILE 3-19-80/D | | | |
| | | SEARCH BY ECKERT | | | |
| | | REQUESTER ECKERT | | | |
| | | STREET ROOM 201 | | | |
| | | CITY/STATE FACILITY | | | |
| | | USER ID ID43 | | | |
| TERMINAL 67 | 3-19-80 | TOTAL TIME PER COMMAND FOR THIS USER | | | |
| RECON | TIME | RECON | TIME | RECON | TIME |
| COMMAND | MIN NO | COMMAND | MIN NO | COMMAND | MIN NO |
| BEGIN SEARCH | 000.00 0 | COMBINE | 000.00 0 | PRINT | 000.00 1 |
| EXPAND | 000.00 0 | LIMIT | 000.00 0 | LIMIT ALL | 000.00 0 |
| DISPLAY | 000.00 0 | KEEP | 000.00 0 | END SEARCH | 000.36 2 |
| SELECT | 019.01 0 | TYPE | 000.00 0 | ERROR | 000.00 1 |
| DISPLAY SET | 000.00 0 | MESSAGE | 000.00 0 | ITEMS PRINTED | 70 |
| TOTAL ELAPSED TIME IS 013.58 MIN. | | | | | |
| SET | NO. | DESCRIPTION | | | |
| 1 | 8 | 8 UTP/ACID *+1 RAIN | | | |
| 2 | 12 | 12 AX/ACID *+1 RAIN | | | |
| 3 | 67 | 67 ST/ACID RAIN | | | |
| 4 | 70 | 73 1+2+3 | | | |
| 5 | 70 | 70 SORT 04/PDT / | | | |
| 6 | 70 | 70 SORT 04/UTL / | | | |
| 7 | 70 | 70 SORT 04/CO / | | | |
| 8 | 70 | 70 SORT 04/LNG / | | | |
| 9 | 70 | 70 SORT 04/FST / | | | |
| 10 | 70 | 70 SORT 04/AU / | | | |
| 11 | 70 | 70 SORT 04/RN / | | | |
| 12 | 70 | 70 SORT 04/PAC / | | | |
| 13 | 70 | 70 SORT 04/MUR / | | | |
| 14 | 70 | 70 SORT 04/CN / | | | |

Figure 1
2

Sets 5 through 14 are sorted versions of Set 4 and each set must have its own SPECIFY FORMAT, which is dependent upon the sorting parameter.

Set 5 is Set 4 sorted by PDT (Publication Date). The SF for Set 5 is ACC, PDT, CAT, PAG. See Figure 2. The print order for this set is PR 5/4. The search must be ended at this point because a new SF will be given for SET 6, as we shall see. If the search is not ended, the latest SF will apply to all previous print orders in Format 4. When the search is ended, the sets are saved and they are available because the BEGIN SEARCH or BEGIN SEARCH BYPASS command was not executed. A SET STATUS command at this point would be helpful.

```

          PRINT 05/4/1-70      TERMINAL=67
74A32735  74/06/14  CATEGORY 20   4 PAGES

76N20708  75/09/00  CATEGORY 45   108 PAGES

76N79357  75/00/00  CATEGORY 47    20 PAGES

77N20634  75/09/00  CATEGORY 45    81 PAGES

77A18751  75/11/00  CATEGORY 45   379 PAGES

77A18753  75/11/00  CATEGORY 45    18 PAGES

77A11537  75/11/12  CATEGORY 45     3 PAGES

76N79337  77/00/00  CATEGORY 45    34 PAGES

```

Figure 2

Set 6 is Set 4 sorted by UTL (Title). The SF for Set 6 is ACC, UTL. See Figure 3. End the search and fill out the form on the CRT. The title could be "ACID RAIN SORTED BY TITLE".

```

          PRINT 06/4/1-70      TERMINAL=67
80A16179  UTTL: A method for modeling the deposition
of sulfur by precipitation over regional scales

78A18368  UTTL: A model for rain composition and the
washout of sulfur dioxide

80A17237  UTTL: Acid precipitation in the western
United States

78A30592  UTTL: Acid precipitation in Atlantic Canada

78A23641  UTTL: Acid precipitation in the New York
Metropolitan Area - Its relationship to meteorological
factors

78A49414  UTTL: Acid precipitation in the Netherlands

77A11537  UTTL: Acid precipitation in the
northeastern United States - pH and acidity

78A30117  UTTL: Acid rain

```

Figure 3

Set 7 is Set 4 sorted by CO (Corporate Source). See Figure 4. The SF is ACC, CO.

74A32735

78N17495 CORP: AeroChem Research Labs., Inc.,
Princeton, N. J.

78N79337 CORP: Battelle Pacific Northwest Labs.,
Richland, Wash.

78N79357 CORP: Brookhaven National Lab., Upton, N.
Y.

78N79263 CORP: Brookhaven National Lab., Upton, N.
Y.

80N12630 CORP: Brookhaven National Lab., Upton, N.
Y.

Figure 4

Set 8 is Set 4 sorted by LNG (Language). All items are in English except the last three. Note that no language notation means that the document is in English. See Figure 5. The SF is ACC, LNG.

77A11537

74A32735

78A51973 In GERMAN

78A21469 In RUSSIAN

78A20211 In RUSSIAN

Figure 5

Set 9 is Set 4 sorted by FST (Financial Support). The SF is ACC, FST, MUR. The MUR is the microfiche availability code. It actually means Microfiche Unavailability Reason. If no unavailability code is checked by the input catalogers, it means that the document is available on microfiche. See Figure 6.

78A18807

77A18753

80N15659 * #

80N15656 * #

80N15656 * #

80N12662 * #

78N30773 * #

78N17495 * #

78A52970

78N79357 #

78N79337 #

An asterisk means that
the item is NASA supported.

Figure 6

Set 10 is Set 4 sorted by AU (Author). The SF is ACC, AU. The figure for this and the following sets will be on your CRT or Dial-In record.

Set 11 is Set 4 sorted by RN (Report Number). The SF is ACC, RN. Try it.

Set 12 is Set 4 sorted by PAG (Number of Pages). The SF is ACC, PAG. Try it.

Set 13 is Set 4 sorted by MUR (Microfiche and non-microfiche groupings). Try it with an SF ACC, MUR.

Another warning! Make certain the search is ended prior to putting in a new SF for a new Print Command.

This training exercise should increase your skills and confidence on RECON; and it should impress you with the power and flexibility of the overall RECON system.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/4

APRIL 1980

CONTENTS

PAGE

| | |
|---|---|
| An Enhancement for the Dial-In Terminal | 1 |
| Stored Search of NASA Corporate Sources for Use by Field Users | 1 |
| How to Subject-Search the N File Collection- A Review | 2 |
| Welcome to John Wilson | 3 |

An Enhancement for the Dial-In Terminal

Backspacing on the Dial-In terminal to recover from an error can, at times, be a cumbersome task. It can be done by manipulating the H key in concert with the CTRL key, but this produces hard-to-read strikeouts.

An easier way to recover from a keying error (when entering a command) is to simply hit the BREAK key and re-enter the command. Software modifications have been implemented so that the carriage returns to the left immediately instead of generating an error message.

Stored Search of NASA Corporate Sources for Use by Field Users

Thirty NASA Corporate Sources (from pages 318 and 319 of the March 1980 CSAL) have been stored under the Stored Search Feature of NASA RECON.

All field users are invited to use this stored search. After a BEGIN SEARCH or a BEGIN SEARCH BYPASS, enter Q EXECUTE NASA7580(1D42). Your results will look like this for Sets 1 through 8.

```
***** BEGIN SEARCH BYPASS *****
DATE/FILE      4-17-80/D
PRIMARY DATA BASE ONLINE
SET NO.OF NO.OF DESCRIPTION OF SET
NO. REC. OCC. (+OR, ==AND, --NOT)
-----
LIMIT-ALL ACCEPTED /75-80
1L 9385 9385 CO/NC452984 //NC47365
2L 6937 6937 CO/NC499978 //NC99996
3L 3984 3984 CO/ND052615 //ND15786
4L 6631 6631 CO/ND218491
5L 6859 6859 CO/ND315753
6L 3938 3938 CO/ND388289 //ND89469
7L 261 261 CO/ND947325 //NE34205
8L37877 37877 1+2+3+4+5+6+7
```

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ext. 286). Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

You may combine Set 8 with any set or sets of your choosing. Sets 9 and 10 are from the telecommunications family. Set 10 is a major term (MJ) selection of R1, R23. Sets 11 and 12 are combinations of the NASA Centers and telecommunications families.

| | |
|----------|----------------------------|
| 9L 2865 | 2865 R1,R23 ST/TELECOMMUNI |
| 10L 1668 | 1668 MJ/R1,R23 ST/TELECOMM |
| 11L 143 | 143 8#18 |
| 12L 184 | 184 8AND9 |

How to Subject-Search the N File Collection- A Review

File Collection N (hereafter called File N or N) is a merger of File Collections F (Books) and D (the standard prime file or default file). A short review of searching N, F, and D separately is described below.

First, let us search on INTERFERON, the "IF" drug on the cover of TIME for March 31, 1980.

D FILE

SEARCH NO. 003
SEARCH TITLE INTERFERON/FILE D
DATE/FILE 4-16-80/D

| SET | NO. | DESCRIPTION |
|-----|-----|------------------|
| 1 | 10 | 10 ST/INTERFERON |
| 2 | 8 | 8 UTP/INTERFERON |
| 3 | 11 | 17 TX/INTERFERON |
| 4 | 19 | 33 1+2+3 |

You must search the subject term file (and its variants in the EXPAND file), the title (UTP or ATL), and the abstract (TX or AX).

F FILE

SEARCH NO. 004
SEARCH TITLE INTERFERON/FILE F
DATE/FILE 04-16-80/F

| SET | NO. | DESCRIPTION |
|-----|-----|------------------|
| 1 | 5 | 5 ST/INTERFERON |
| 2 | 16 | 35 LT/INTERFERON |
| 3 | 19 | 38 1+2 |

When searching the F File you must search both the Subject Term (ST) and LT. LT covers all text-searchable fields and it does not include the NASA Thesaurus indexing (ST). LT is the default field when in File F.

N FILE

SEARCH NO. 009
SEARCH TITLE INTERFERON/FILE N
DATE/FILE 04-16-80/N

| SET | NO. | DESCRIPTION |
|-----|-----|------------------|
| 1 | 15 | 15 ST/INTERFERON |
| 2 | 16 | 35 LT/INTERFERON |
| 3 | 8 | 8 UTP/INTERFERON |
| 4 | 11 | 17 TX/INTERFERON |
| 5 | 38 | 73 1+2+3+4 |

For complete coverage in the N File you must:

- o Select subject term (Thesaurus) by default or ST. Books that have been indexed by Thesaurus terms will be picked up by the subject term. (V series accessions with holdings at one or more NASA libraries are subject-indexed by Thesaurus terms; the remaining V series accessions must be located through other access points).
- o Search the LT fields by entering SELECT LT/.... The acronym LT includes all text-searchable fields.
- o Search UTP or ATL for document titles that may appear in the D File.
- o Select AX or TX for the terms that may appear in the D File.

If you follow these rules the total hits for the D and F Files will always equal the total hits for the N File.

The 38 hits for INTERFERON from File N are displayed in a compressed format (SF ACC,PDT,YER,UTL) on Page 4.

Welcome to
John Wilson

John Wilson has joined the staff of NASA Headquarters' Systems and Retrieval Section and is in charge of policy and planning for bibliographic activities. John is also serving double duty as principal NASA contact for RECON users. He came to NASA from Department of Energy, Germantown, after serving in both the technical information and the environmental programs of the department.



ENTER:
KACC,PDT,YER,UTL
FORMAT-DEFINITION ACCEPTED.

DISPLAY 05/4/1-15 OF 38
77K11475 UTL: IMMUNOREGULATORY ACTIVITY OF INTERFERON
74K10716 UTL: DIAGNOSIS OF PRECLINICAL VIRAL ILLNESS AND PROPHYLAXIS
AGAINST VIRAL DISEASE
74U70779 UTL: CHEMISTRY AND MICROBIOLOGY
79A24449 79/01/29 UTL: INDUSTRY'S NEW FRONTIER IN SPACE
74A15651 73/12/00 UTL: INACTIVATION OF HUMAN INTERFERON BY BODY
FLUIDS
72A18867 71/10/00 UTL: ENTERAL MECHANISMS OF BLOOD SELF-PURIFICATION
69A42800 68/10/00 UTL: PRODUCTION OF INTERFERON IN MICE - EFFECT OF
ALTERED GASEOUS ENVIRONMENTS.
80V21472 1980 ** INTERFERON ** AND ** INTERFERON **
INDUCERS, CLINICAL APPLICATIONS /
80V15956 1980 ** INTERFERON ** ;
79V18466 1979 ** INTERFERON ** SYSTEM /
78V43491 1978 HUMAN ** INTERFERON, ** PRODUCTION AND CLINICAL
USE /
78V16425 1978 INTERFERON, COLLOQUE TENU A LYON, LES 6, 7, 8 JANVIER
1969 SOUS LES AUSPICES DE L'I.N.S.E.R.M. ...
77V20013 1976 ** INTERFERON ** AND ITS CLINICAL POTENTIAL /
75V63303 1975 EFFECTS OF INTERFERON ON CELLS, VIRUSES, AND THE IMMUNE
SYSTEM ;
75V46250 1975 ANTIVIRAL MECHANISMS /

ENTER:

DISPLAY 05/4/16-38 OF 38
75V17037 1974 PRODUCTION AND USE OF ** INTERFERON ** FOR THE
TREATMENT AND PREVENTION OF HUMAN VIRUS INFECTIONS;
75V13720 1974 INTERFERONS I- II
74V14005 1974 BIOLOGICAL EFFECTS OF POLYNUCLEOTIDES;
73V36541 1973 ** INTERFERON ** U TEORII I PRAKTIKE MEDI T SINY.
ENGLISH ** INTERFERON: ** THEORY AND APPLICATIONS
73V22963 1973 INTERFERONS AND ** INTERFERON ** INDUCERS.
72V43906 1970 VIRAL INTERFERENCE AND ** INTERFERON: **
72V32263 1970 ** INTERFERON: **
72V24434 1968 ** INTERFERON: ** CIBA FOUNDATION SYMPOSIUM
DEDICATED TO ALICK ISAACS;
72V21572 1969 ** INTERFERON, **
72V19303 1968 INTERFERONS;
72V15175 1967 INTERFERON;
76N77652 75/00/00 UTL: THE EFFECTS OF ANTIVIRAL SUBSTANCES ON THE
GROWTH AND PROTEIN SYNTHESIS OF HUMAN CELLS
70N77711 00/00/00 UTL: AN INTERFERON-LIKE INHIBITOR IN THE TISSUES OF
MICE ACUTELY INFECTED WITH LYMPHOCYTIC CHORIO-MENINGITIS VIRUS
80N10260 78/11/09 UTL: FEASIBILITY OF COMMERCIAL SPACE MANUFACTURING,
PRODUCTION OF PHARMACEUTICALS. VOLUME 3: PRODUCT DATA
80N10267 78/11/09 UTL: FEASIBILITY OF COMMERCIAL SPACE MANUFACTURING,
PRODUCTION OF PHARMACEUTICALS. VOLUME 2: TECHNICAL ANALYSIS

ENTER:

DISPLAY 05/4/31-38 OF 38
80N10266 78/11/09 UTL: FEASIBILITY OF COMMERCIAL SPACE MANUFACTURING,
PRODUCTION OF PHARMACEUTICALS. VOLUME 1: EXECUTIVE SUMMARY
77N20724 76/03/01 UTL: STABILIZATION STUDIES ON HUMAN INTERFERON
76N24077 75/12/31 UTL: THE EFFECT OF HYPERBARIC OXYGEN AND HELIUM ON
VIRUS REPLICATION AND HOST PATHOLOGY
76N14769 75/09/00 UTL: THE INDUCTION OF INTERFERON AND SPECIFIC
SMALLPOX IMMUNITY BY ORAL IMMUNIZATION WITH LIVE ATTENUATED POX VIRUS
75N14410 74/00/00 UTL: THE EFFECT OF SYNTHETIC HOMOPOLYMER POLY I:C
ON THE SYNTHESIS OF NUCLEIC ACIDS, PROTEIN AND

05/4/1-38
05/4/1-38
***** END SEARCH *****
SEARCH TITLE INTERFERON/FILE N
DATE/FILE 04-16-80/N
SEARCH BY ECKERT
REQUESTOR
STREET ROOM 406 C
CITY/STATE FACILITY
TOTAL ELAPSED TIME IS 005.50 MIN.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/5

MAY 1980

CONTENTS

PAGE

| | |
|---|---|
| Title Sort of NASA Library Network Accessions (V10K Series - Books) - Effect of Title Prefix | 1 |
| Title Search on NASA Library Network | 1 |
| Abbreviated Statistical Breakout of the NASA Data Base as of December 31, 1979 | 3 |

Title Sort of NASA Library Network Accessions

A title sort of File Collection F (V10K Series or books) often produces two discrete sorts - a lower-case sort, a to z, followed by an upper-case sort, A to Z. An initial reaction to these double sorts is to lay blame upon cataloging errors but this is not the case. Titles not preceded with a Title Prefix begin with a capital letter. The title preceded with a Title Prefix begins with a lower-case letter. Therefore, two separate sorts are created for the document titles, using the SORT command (SO (Set #)/TTL).

For many accessions, the use of a "Title Prefix" is cataloged for titles whose initial word is the article "A" or "The." When the Title Prefix is cataloged (using the mnemonic TPX), the word is retained on the file but is not used for sorting or display. Figure 1 portrays a title sort by using a Specified Format ACC,UTL. Figure 2 portrays the same sort by using a Specified Format ACC,TPX,UTL. The double or triple spacing between the Title Prefix and the second word in the title should be noted.

Title Search on NASA Library Network

For a title search of NASA Library Network accessions, use the entire title, up to 63 characters, but not the title supplement. Use all of the words including "stop words" and Title Prefix type of words.

When searching a title whose publication date is 1977, use a LIMIT ALL for 1977 to date; e.g., LA 77-80. The entire file must be searched if a title whose publication date is, say 1971, because there is no way a searcher can ascertain the accession year for the data base.

Another method of book title searching and a short treatise on Stop Word philosophy will be presented in the June issue.

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ext 286) Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546)

PRINT 03/4/1-150 TERMINAL-67
 79V32634 commerce dictionary for schools /

79V26360 concise Oxford dictionary of current English.

79V49134 dictionary of applied physics.

79V28817 dictionary of botany /

80V15701 dictionary of geology.

79V13284 dictionary of household hints & helps /

79V26260 dictionary of mathematics /

79V10309 dictionary of mosses :

79V26380 dictionary of named effects and laws in chemistry, physics, and mathematics.

79V14085 dictionary of photographic art /

79V50374 dictionary of the occult /

79V23011 dictionary of the European Economic Community /

79V10724 dictionary of the flowering plants in India /

79V11370 encyclopaedic dictionary of photography /

79V44631 illustrated dictionary of electronics /

79V33614 international relations dictionary /

79V27199 misspeller's dictionary.

80V12841 multilingual commercial dictionary /

79V50387 new Penguin dictionary of electronics /

79V36598 new Roget's Thesaurus of the English language in dictionary form.

79V39232 Petroleum dictionary /

79V26359 shorter Oxford English dictionary on historical principles.

79V26364 Abbreviations dictionary .

79V19742 Acronyms, initialisms, & abbreviations dictionary .

79V38615 Aircraft technical dictionary /

79V29876 Anglo-russkii slovar' po khododii no i i knoghenno i tekhnike. English-English-Russian dictionary of refrigeration and low temperature technology /

79V26172 Appleton's new Guyas English-Spanish and Spanish-English dictionary.

79V42799 Astronomical dictionary.

79V34259 Beer and wine making illustrated dictionary /

80V14942 Black's medical dictionary /

80V10879 Black's Law dictionary :

80V15757 Bol'shoi anglo-russkii slovar'-New English-Russian Dictionary /

SO by UTL SF ACC, UTL

TERMINAL 67 PAGE 1 (ITEMS 1- 32 OF 150)

FIGURE 1

PRINT 03/4/1-150 TERMINAL-67
 79V32634 A commerce dictionary for schools /

79V26360 The concise Oxford dictionary of current English.

79V49134 A dictionary of applied physics.

79V28817 A dictionary of botany /

80V15701 A dictionary of geology.

79V13284 The dictionary of household hints & helps /

79V26260 A dictionary of mathematics /

79V10309 A dictionary of mosses :

79V26380 A dictionary of named effects and laws in chemistry, physics, and mathematics.

79V14085 A dictionary of photographic art /

79V50374 The dictionary of the occult /

79V23011 A dictionary of the European Economic Community /

79V10724 A dictionary of the flowering plants in India /

79V11370 The encyclopaedic dictionary of photography /

79V44631 The illustrated dictionary of electronics /

79V33814 The international relations dictionary /

79V27199 The misspeller's dictionary.

80V12841 The multilingual commercial dictionary /

79V50387 The new Penguin dictionary of electronics /

79V36598 The new Roget's Thesaurus of the English language in dictionary form.

79V39232 The petroleum dictionary /

79V26359 The shorter Oxford English dictionary on historical principles.

79V26364 Abbreviations dictionary

79V19742 Acronyms, initialisms, & abbreviations dictionary :

79V38615 Aircraft technical dictionary /

79V29876 Anglo-russkii slovar' po khododii no i i knoghenno i tekhnike. English-English-Russian dictionary of refrigeration and low temperature technology /

79V26172 Appleton's new Guyas English-Spanish and Spanish-English dictionary.

79V42799 Astronomical dictionary.

79V34259 Beer and wine making illustrated dictionary /

SO by UTL

SF ACC, TPX, UTL [Title Prefix Effect on ALPHA Sorts]

TERMINAL 67 PAGE 1 (ITEMS 1- 30 OF 150)

FIGURE 2

ORIGINAL PAGE IS
 OF POOR QUALITY

Abbreviated Statistical Breakout

Table I contains the population and percentage breakout of the major accession series of the NASA data base as of December 31, 1979.

| <u>NASA DATA BASE (DOCUMENTS) Dec. 31, 1979</u> | | |
|---|------------------------------|---|
| STAR-N10K | 441,000 | 29.5% |
| IAA-A10K | 587,000 | 39.2% |
| OSTARE-N70K | 145,000 | 9.7% |
| LSTAR-X10K (Incl. CSTAR) | 81,500 | 5.4% |
| OCSTAR-X70K | 140,500 | 9.4% |
| All Others | 102,000 | 6.8% |
| | <u>1,497,000</u> | <u>100.0%</u> |
| <u>SPECIAL SERIES</u> | | |
| <u>CPA (M10K)</u> | <u>R&DCS File (K10K)</u> | <u>RTOPS (W70K)</u> |
| 2,300 | 14,200 | 7,000 |
| <u>ASRDI (Fire-D10K)</u> | <u>ASRDI (Cryo-D30K)</u> | <u>ASRDI (Mech/Struc. Failure D50K)</u> |
| 4,000 | 7,000 | 800 |
| <u>TECH BRIEFS (B10K)</u> | | |
| | 8,150 | |
| <u>NALNET (NASA LIBRARY NETWORK)</u> | | |
| Books - V10K | (W/Holdings) | 71,200 |
| Books - V10K | (LC-MARC II) | 272,100 |
| Periodicals - V50K | | 7,500 |
| TABLE I - NASA DATA BASE STATISTICS | | |



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/6

JUNE 1980

CONTENTS

Page

Contractor Change

1

GTE/Telenet Services for Dial-In Users -
Coming Soon

1

RECON User's Manual - Revision 3

1

Contractor Change

At one minute after midnight on Sunday, June 8, PRC Data Services Company took over the operation of the NASA Scientific and Technical Information Facility at Linthicum Heights, Maryland, after a two-month transition operation working with Informatics. No change in RECON services occurred or is expected.

GTE/Telenet Services for Dial-In Users

In the near future, GTE/Telenet services will be available for all Dial-In users outside of the Washington area. Information of a general nature about Telenet services will be contained in later RECON User's Bulletins. Specific information, e.g., users' passwords, will be disseminated by the Facility through special correspondence to each authorized user.

RECON User's Manual Revision 3

A new RECON User's Manual (Revision 3) was completed on May 30 and is undergoing review. The manual, which contains all the changes promulgated by RECON User's Bulletins since Revision 2, will be distributed to the field within the next 60 days.

Changes in the manual are as follows:

1. The command mnemonics were reduced and simplified.
2. All terminals accept the same mnemonics.
3. The HELP and EXPLAIN commands have been combined by emphasizing the HELP command and eliminating the EXPLAIN command.
4. The DISPLAY and ITEM commands have been combined by

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ext. 286). Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

emphasizing the DISPLAY command and eliminating the ITEM command.

5. Format 4 and 5 specifications have been consolidated, eliminating format 5.
6. The SPECIFY FORMAT and FORMAT commands have been combined, eliminating the FORMAT command.
7. Usage of the LIMIT ALL command has been simplified.
8. A new END BYPASS command mnemonic has been created.
9. A new BEGIN BYPASS command mnemonic has been created.
10. The hyphen has been omitted between two-word commands.
11. A slash is permitted as the ending character of a parameter string.
12. The slash requirement at the beginning of a LIMIT ALL command has been eliminated.
13. Provision has been made for releasing set 99.
14. Direct entry into a selected file collection with a BEGIN BYPASS is permitted.
15. A set or search may be limited by file.
16. New commands have been added--CURRENT, LIMIT RELEASE, ORDER, QUERY DISPLAY, and SEARCH.

NOTE: The promised treatise on Stopword philosophy will appear in one of the monthly bulletins shortly.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/7

JULY 1980

CONTENTS

Page

| | |
|--|---|
| Selecting Subject Terms That Contain an Embedded Slash (/) | 1 |
| Specify Format Nomenclature - Acronyms vs Numerics | 1 |
| RECON User's Manual - Revision 3 | 2 |
| Jane's All The World's Aircraft - Sample Search on NALNET | 2 |

Selecting Subject Terms that Contain an Embedded Slash (/)

Several subject terms are found in the NASA Thesaurus which contain an embedded slash (/); V/STOL Aircraft, Airborne/Spaceborne Computers, Hal/s (Language), Input/Output Routines, and others.

The field mnemonic ST/, MJ/, or MN/ must be specified when selecting from the subject term fields. The term may also be selected by an EXPAND followed by a SELECT of E6.

Examples:

- S ST/V/STOL AIRCRAFT
- S MJ/V/STOL AIRCRAFT
- S MN/V/STOL AIRCRAFT

- X V/STOL AIRCRAFT

- S E6

A pure SELECT on this type of term will result in SE104:TERM NOT IN DICTIONARY.

Specify Format Nomenclature - Acronyms vs Numerics

Specify Format instructions may be given to RECON by acronyms or numerics. Care must be exercised if instructions are given by numerics if a set contains several diverse accession series. For example a Specify Format command of 1, 9 for STAR, IAA, CPA would display the accession number (ACC) and the publication date (PDT). If a Tech Brief accession was in the set, the "9" would request the unclassified title (UTL) instead of the publication date. The safest method is to use the acronyms when several series are contained in the set. See Appendix C of the RECON User's Manual.

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ext. 286). Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3465. NASA Headquarters, Code NST-42, Washington, D. C. 20546).

02

RECON User's Manual-
Revision 3

The new RECON User's Manual (Revision 3) is scheduled for distribution to the field on or before August 15. Comments or suggestions on the new manual, after field review, should be forwarded to John Wilson, STIB/NST-42.

Jane's All The
World's Aircraft -
Sample Search on
NALNET

A title SELECT, S TTL/'JANE'S ALL THE WORLD'S AIRCRAFT,' will result in the message SE104:TERM NOT IN DICTIONARY because of the apostrophes in JANE'S and WORLD'S. A title SELECT, with blanks where the apostrophes should be, will work e.g., S TTL/'JANE S ALL THE WORLD S AIRCRAFT'. A more interesting or rather a more enlightening way as far as Jane's products are concerned is to simply search on JANE, S TTL/JANE, and sort by title. Using an SF, ACC, YER, UTL; CLN; HLD, items 13 through 31 are shown in the accompanying figure.

90V14142 1979 Jane's all the world's aircraft.
1979-80 /
TL501.J33 1979-80
AVAIL: / LANGLEY

79V17242 1978 Jane's all the world's aircraft.
1978-79 /
TL501.J33 1978-79
AVAIL: / LANGLEY/ NASA HQ.

79V17255 1978 Jane's all the world's aircraft. -
TL501.J32 1978-79
AVAIL: / FLIGHT/ GODDARD

78V32048 1977 Jane's all the world's aircraft.
1977-78 /
TL501.J33 1977-78
AVAIL: / LANGLEY/ NASA HQ.

78V21074 1909 Jane's all the world's aircraft.
TL501.J33 1909
AVAIL: / LANGLEY

78V21075 1909 Jane's all the world's aircraft.
TL501.J33
AVAIL: / LANGLEY

78V21072 1972 Jane's all the world's aircraft.
1972-73.
TL501.J33 1972-73
AVAIL: / LANGLEY

78V21073 1967 Jane's all the world's aircraft.
1965-66.
TL501.J33
AVAIL: / LANGLEY

78V15613 19-- Jane's all the world's aircraft.
TL501.J32 1952-1953
AVAIL: / FLIGHT

78V15614 19-- Jane's all the world's aircraft.
TL501.J32 1951-1952
AVAIL: / FLIGHT

78V15615 19-- Jane's all the world's aircraft.
TL501.J32 1956-1957
AVAIL: / FLIGHT

78V15634 19-- Jane's all the world's aircraft.
TL501.J32
AVAIL: / FLIGHT

78V15601 19-- Jane's all the world's aircraft.
TL501.J32 1954-1955
AVAIL: / FLIGHT

78V15602 19-- Jane's all the world's aircraft.
TL501.J32 1955-1956
AVAIL: / FLIGHT

77V41485 1976 Jane's all the world's aircraft.
TL501.J33 1976-77
AVAIL: / NASA HQ.

78V19587 1975 Jane's all the world's aircraft.
TL501.J33 1975-76.
AVAIL: / LANGLEY

75V47924 1974 Jane's all the world's aircraft.
TL501.J33 1974-75
AVAIL: / JOHNSON/ LANGLEY/ NASA HQ.

73V10316 1970 Jane's all the world's aircraft.
1970-71
TL501.J33 1970
AVAIL: / GODDARD/ JPL/ LANGLEY/ HALLOPS

78V45193 1978 Jane's combat support equipment.
1978-79 /
UC10.J35 1978-79
AVAIL: / LANGLEY

78V24633 1975 Jane's dictionary of military terms
/
U24.M38
AVAIL: / AMES-ATL



National Aeronautics and
Space Administration

Scientific and Technical
Information Branch

RECON User's Bulletin

80/8

AUGUST 1980

CONTENTS

Page

| | |
|---|---|
| Review of the Highlighting Feature on RECON | 1 |
| UFO's and UFOLOGY - Sample Search on NALNET | 2 |
| News Features Shuttle Launch | 2 |
| Regular RECON News | 3 |
| Suggested Bulletin Items Always Welcome | 3 |

Review of the High-
lighting Feature on
RECON

Titles in the V10K series (books) and the V50K series (periodicals) are highlighted according to the search terms used. Highlighting is the bracketing by double asterisks of the term or terms searched.

Highlighting in the document series, File Collection D, occurs only in the abstract. The sample below was retrieved from the text search on the abstract field for "packet switching."

The command was: SELECT AX/'PACKET SWITCHING'

ENTER:

```

      DISPLAY 18/2/1
79A38686  ISSUE 16  PAGE 2945  CATEGORY 32  78/08/80  14 PAGES
UNCLASSIFIED DOCUMENT
UTTL: SUBFRAME SWITCHING IN DATA COMMUNICATIONS
AUTH: A/FOSCHINI, G. J.; B/GOPINATH, B.; C/HAYES, J. F.  PAA: C/(BELL
      TELEPHONE LABORATORIES, INC., HOLMDEL, N.J.)
IN: ITC/USA/'78: PROCEEDINGS OF THE INTERNATIONAL TELEMETERING CONFERENCE,
      LOS ANGELES, CALIF., NOVEMBER 14-16, 1978. (A79-38676 16-32) PITTSBURGH,
      PA., INSTRUMENT SOCIETY OF AMERICA, 1978, P. 109-122.
MAJS: /*COMMUNICATION NETWORKS/*DATA TRANSMISSION/*PULSE COMMUNICATION/*
      SWITCHING THEORY
MINS: / BUFFERS/ GRAPHS (CHARTS)/ MATHEMATICAL MODELS/ TIME DIVISION
      MULTIPLEXING
ABA: (AUTHOR)
ABS: AN ALTERNATIVE TO ** PACKET SWITCHING. ** DESIGNATED AS SUBFRAME
      SWITCHING, IS STUDIED. IN THIS TECHNIQUE THE TRAFFIC FLOWING BETWEEN A
      PAIR OF NODES IN THE TRANSPORT NETWORK IS GIVEN A FIXED CAPACITY BY MEANS
      OF TIME DIVISION MULTIPLEXING. THIS FLOW BETWEEN TWO NODES, VIEWED AS A
      SINGLE COMMODITY, MAY CONSIST OF PACKETS FROM MANY DIFFERENT TERMINALS OR
      PORTS CONNECTED TO A NODE. THE ADVANTAGE OF THIS TECHNIQUE OVER
      CONVENTIONAL ** PACKET SWITCHING ** LIES IN SIMPLICITY OF SWITCHING
      AT TANDER NODES AND IN SIMPLICITY OF OPERATION, PARTICULARLY IN FLOW
      CONTROL. THE DISADVANTAGE OF SUBFRAME SWITCHING IS THAT LESS EFFICIENT USE
      IS MADE OF TRANSMISSION CAPACITY. AN ANALYSIS OF THE TECHNIQUE IS MADE
      WITH THE AIM OF QUANTIFYING DELAY PERFORMANCE AND BUFFERING REQUIRED. A
      PRELIMINARY STUDY OF THE RELATIVE SWITCHING COMPLEXITY OF PACKET AND
      SUBFRAME SWITCHING IS UNDERTAKEN. NUMERICAL RESULTS INDICATE THE RELATIVE
      MERITS OF EACH METHOD.
  
```

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3485, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

UFO's and UFOLOGY

There is very little material on UFO's in the File Collection D; but the NALNET collection contains 137 items, most from the MARC tapes. To search File Collection F, EXPAND UFO and SELECT E6-E19. The last page of the 137 items on UFO's is shown below, after it was sorted by publication year (SORT 1/YER). The specified format is ACC, YER, UTL. Note the popularity of the subject - 8 books in publication year 1980, 13 in 1979, and 19 in 1978.

| | | | | | |
|----------|------|--|----------|------|--|
| 78V28938 | 1978 | Close encounter at Kelly and others of 1955 / | 80V18218 | 1978 | More UFO's over Westminster / |
| 78V31824 | 1978 | UFO-Ph anomen : | 78V42386 | 1979 | Manual del ufologia / |
| 78V18204 | 1978 | UFO ESP : | 78V39631 | 1979 | UFO terms / |
| 78V10371 | 1978 | UFOs, a scientific enigma / | 78V35036 | 1979 | UFO, sightings, landings, and abductions : |
| 78V58913 | 1978 | 1978 MUFON UFO Symposium proceedings, Dayton, Ohio, July 29 & 30, 1978 / | 78V32604 | 1979 | helicopter--UFO encounter over Ohio / |
| 78V49178 | 1978 | ufologia : | 78V26784 | 1979 | UFO phenomena and the behavioral scientist / |
| 78V41740 | 1978 | Official guide to UFO sightings : | 78V26638 | 1979 | Total UFO story / |
| 78V41020 | 1978 | UFO-Contact : | 78V24223 | 1979 | story of UFOs / |
| 78V37178 | 1978 | UFO guidebook / | 78V12104 | 1978 | UFO handbook : |
| 78V34539 | 1978 | Creatures from UFO's / | 78V50776 | 1978 | UFO's, a pictorial history from antiquity to the present / |
| 78V32592 | 1978 | UFO's / | 80V38398 | 1980 | UFO's? |
| 77V39832 | 1978 | All about UFO's : | 80V34745 | 1980 | Ufos, Unwelt, Ungeheuer : |
| 77V32704 | 1978 | world of UFOs / | 80V25754 | 1980 | UFO crash/retrieval syndrome : |
| 77V32020 | 1978 | modern myth, ancient astronauts and UFOs / | 80V18908 | 1980 | Making UFOs / |
| 80V38382 | 1978 | UFO's ... are they for real? : | 80V11790 | 1980 | UFO encyclopedia / |
| 80V28958 | 1978 | UFO-Ph anomen, English The U.F.O. phenomenon / | 78V45446 | 1980 | Encyclopedia of UFO's / |
| 80V24813 | 1978 | UFO's en andere vreemde natuurverschijnselen / | 78V34010 | 1980 | UFOs / |
| | | | 78V34887 | 1980 | Observing UFOs : |
| | | | 78V34881 | 1980 | Space scientists and the UFO phenomenon: |

| SET | NO. | DESCRIPTION |
|-----|-----|-------------------|
| 1 | 137 | 172 E6-E19 LT/UFO |
| 2 | 137 | 137 SORT 01/YER / |

TERMINAL 67 PAGE 4 (ITEMS 102- 137 OF 137)

The small amount of material on UFO's in the document collection stems from the fact that most UFO materials have been written by persons, organizations, or groups other than NASA and/or its contractors.

News Features
Shuttle Launch

You have no doubt seen the shuttle launch announcement on the RECON News:

IT'S DEFINITE:

SHUTTLE TO FLY MARCH 1981

This is part of a drive directed by the NASA Administrator to assure shuttle lift-off by early next year.

Regular RECON News

There is considerable activity related to RECON that is not of the type to be reported in the Bulletin, or needs to be announced before it is issued. An effort is being initiated to announce these in the regular RECON News. Items will generally run a few days only, so try to look at HELP NEWS everyday.

Suggested Bulletin
Items Always Welcome

Send your suggestions for announcement, special searches that could be described, etc., to:

Mr. P. F. Eckert, Manager
Reference and Retrieval
P. O. Box 8757
BWI Airport, Maryland 21240



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/9

SEPTEMBER 1980

CONTENTS

PAGE

| | |
|-------------------------------|---|
| HELP Command Updates | 1 |
| Category Sort | 1 |
| A Few Remarks about Stopwords | 1 |
| Telenet | 2 |

HELP Command Updates

In the past, the word "format" in RECON terminology has had two meanings, causing some confusion among users, particularly new users. Henceforth, "format" will refer to Formats 1, 2, 4, and 6, used when DISPLAYing, PRINTing, or TYPing citations. (See pages 4-59 and 4-60 of the User's Manual for descriptions of these.)

In Appendix C of the User's Manual there are lists of the fields contained in a Format 2 display of citations from various files. These lists can be obtained at the terminal by entering HELP FIELDS (for an index of lists by file name), then HELP FIELDSn, where "n" is a digit from 0 to 9 which is chosen to correspond to the file of interest.

Note that, previously, the commands used were HELP FORMATS and HELP FORMATSn.

We hope that this change in terminology will help clarify the use of formats. Please call the RECON Coordinator if you have further questions. Future RECON User's Manual Updates will include this change.

Category Sort

When sorting by category, be careful of a set with pre-1975 accession-year items and 1975 and post-1975 accession-year items. A set to be sorted should be broken into two sets, one, 1968 to 1975, and the other, 1975 to date. You are again reminded that the NASA subject category scheme was expanded from 34 to 75 categories on January 1, 1975.

A Few Remarks about Stopwords

Stopwords became necessary with the development of computerized index preparation, particularly text indexing. Under manual

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ext. 286). Other problems, suggestions and comments may be directed to John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

indexing procedures, the term 'stopword' was little used. For example, if a periodical or a book title contained the phrase 'communications satellites', the term itself would most likely not be a subject term entry. Instead of being labeled a 'stopword' it was not picked up as an index term - it was simply a nonselected index entry.

With the onset of computerized text indexing (and text searching), scores of stopword lists were developed. Lacking textbooks or authoritative literature on the subject, each organization needing stopwords developed its own list. A major criterion for early listings seemed to be length. One list, prepared in 1967, contained 1340 stopwords (the listing was entitled, "List of Words Prevented from Indexing").

The NASA stopword lists are contained in Appendix I of the NASA/RECON User's Manual (Revision 3). File D has 227 stopwords; NALNET (Books), 437; and NALNET (Serials), 45. In retrospect, it would have been better if all files were limited to about 11 to 14 stopwords. There are 10 or 11 words in the English language that account for about 25 percent of any text,* and they should be treated as "insignificant", "function", or stopwords.

The letter "A" and the rest of the alphabet are NASA stopwords. This means that the phrase VITAMIN A cannot be searched. The word "GOES", the past tense of to go, is a NASA stopword. Accordingly a text search on GOES, (Geostationary Operational Environmental Satellite), results in a "no-hitter." The word AMERICA is a stopword in the NALNET books series, but only since 1975.

The lesson here is to be wary of stopwords in text searching. If you ever have the task of developing a stopword list for your organization, keep it short and have it completed before any documents or books are entered into your computerized data base.
....P. F. Eckert

Telenet

Telenet packet switching communications channels will be implemented on a gradual basis for Dial-In users outside of the Washington/Baltimore area in October. Dial-In users will receive a special letter containing instructions in October from the NASA/RECON coordinator. In addition, there will still be ten (10) ports available for non-Telenet Dial-In users. The only devices that may currently access the RECON system on a Dial-In basis are ASCII TTY types running at 300 bps, or 30 cps.

* The Codebreakers, p 445, The MacMillan Co., New York, 1967



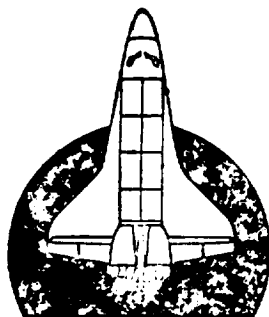
National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/10

OCTOBER 1980



**SHUTTLE LAUNCH
MARCH 1981**

Accession Series

CONTENTS

PAGE

| | |
|---|---|
| Accession Series Definitions | 1 |
| RECON Coordinators | 1 |
| Searching Abstracts with a Phrase or by the Proximity Method | 2 |
| Welcome to Buford L. Smith | 2 |

Definitions of the NASA accession series are contained in Appendix G of the NASA/RECON Systems User's Manual - Revision 3. Valuable information such as coverage by years, type of indexing, e.g., major, minor, text, etc., is also contained in that appendix.

This information is also available to the terminal user through use of the HELP command. By entering HELP or HELP SUE, or HELP (your name), a list of items which RECON is prepared to clarify is displayed on your screen or teleprinter. Specifically note:

| |
|-------------------------|
| FILE CONTENT-A and X800 |
| " " -B and X802 |
| " " -C and X804 |
| " " -D and X806 |

ENTER HELP FILE CONTENT-A or HELP X800 and you will receive explanation text. If your series definition does not appear for FILE CONTENT-A, enter B, C, or D until it does.

By entering HELP FILEINFO, you will receive additional information concerning Accession Series range.

RECON Coordinators

Pat Brooks and Jennie Campbell have joined Mike Moriarty and Pam Barrett to provide intensive monitoring and support of RECON operations.

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext 286). Other problems, suggestions, and comments may be directed to Buford Smith or John Wilson (Telephone (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D C 20546).

Searching Abstracts

To insure complete text-search coverage of all the STAR or LSTAR abstracts, a searcher must use the acronym AL in addition to AX.

AL is the search mnemonic for analytic primaries, or "mother" documents. The use of AX by itself will bypass phrase searching in the analytic note (ANN) field of a mother document. The following example will indicate that the abstract in a mother document is coded into the ANN field and the abstract of the first "daughter" or analytic subsidiary is coded into the abstract (ABS) field.

```

DISPLAY 00N648                                IF00N: INVALID SET NUMBER
00N27647B ISSUE 18 PAGE 2415 CATEGORY 34 RPTS: AGARD-CP-271
ISSN-92-835-8257-4 88/01/00 386 PAGES MAINLY IN ENGLISH; PARTLY IN
FRENCH UNCLASSIFIED DOCUMENT
UTTL: TURBULENT BOUNDARY LAYERS; EXPERIMENTS, THEORY AND MODELING ---
CONFERENCE
CORP: ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT, MEUILLY-SUR-SEINE
(FRANCE). AVAIL.NTIS SAP: MC A17/NF A01
PRESENTED AT THE FLUID DYN. PANEL SYMP., THE HAGUE, 24-26 SEP. 1979
MAJS: /*COMPRESSIBLE FLOW/*CONFERENCES/*FLOW VISUALIZATION/*INCOMPRESSIBLE FLOW
/*TURBULENT BOUNDARY LAYER
NIMS: / BOUNDARY LAYER TRANSITION/ FLOW DISTRIBUTION/ FLOW MEASUREMENT/ FLOW
VISUALIZATION/ FLUID DYNAMICS/ VORTICES
ANN: EXPERIMENTAL AND THEORETICAL RESEARCH DIRECTED TOWARDS UNDERSTANDING THE
TURBULENT BOUNDARY LAYER IN BOTH INCOMPRESSIBLE AND COMPRESSIBLE FLUID
FLOW IS PRESENTED. SPECIFIC TOPICS DISCUSSED INCLUDE: COMPUTER MODELING
TECHNIQUES, COHERENT VORTEX STRUCTURES, FLOW VISUALIZATION, HOT WIRE
ANEMOMETRY, ** NONLINEAR VORTEX INTERACTIONS, ** DECOMPOSITION OF
FLUCTUATING FLOW FIELDS, AND TURBULENCE DURING, OR IMMEDIATELY FOLLOWING
TRANSITION.

```

USE AL/ To search the Analytic Note field for phrases

ENTER:

```

DISPLAY 00N27648/2
00N27648B ISSUE 18 PAGE 2415 CATEGORY 34 88/01/00 35 PAGES
UNCLASSIFIED DOCUMENT
UTTL: EXPERIMENTAL METHODS AND TECHNIQUES IN TURBULENT BOUNDARY LAYER RESEARCH
AUTH: A/CONTE-BELLOT, G.
CORP: ECOLE CENTRALE DE LYON (FRANCE). CSS: (LAB. DE MECANIQUE DES FLUIDES.)
AVAIL.NTIS SAP: MC A17/NF A01
IN AGARD TURBULENT BOUNDARY LAYERS 35 P (SEE N00-27647 10-34)
MAJS: /*RESEARCH MANAGEMENT/*TECHNOLOGY ASSESSMENT/*TURBULENT BOUNDARY LAYER
NIMS: / FLOW MEASUREMENT/ FLOW VISUALIZATION/ SIGNAL PROCESSING/ TRANSDUCERS
ABA: R.E.S.
ABS: THE STATE-OF-THE-ART OF METHODS AND TECHNIQUES AVAILABLE TO INVESTIGATE
TURBULENT BOUNDARY LAYERS IS SURVEYED. THREE SPECIFIC AREAS ARE DISCUSSED:
OBJECTIVES OF BOUNDARY LAYER RESEARCH, TRANSDUCER TECHNIQUES, AND SIGNAL
PROCESSING TECHNIQUES.

```

USE AX/ To search the Abstract field for phrases

The search mnemonic TX, however, covers all text searchable fields for the abstract family - for single words only, not for phrases. Specifically, TX/ covers the Abstract field, the Analytic Note field, and the old Notation of Content.

Welcome to
Buford L. Smith

Buford L. Smith has joined the staff of NASA Headquarters' Systems and Retrieval Section and is now the principal contact at NASA for RECON User's activities including training.

He came to NASA Headquarters after a seven-year assignment at the NASA Computer Center in Slidell, Louisiana. Prior to that, he served in the computing facilities at the Marshall Space Flight Center for ten years.

Buford is a graduate of Loyola University, New Orleans, with a Bachelor of Science degree in computer science.



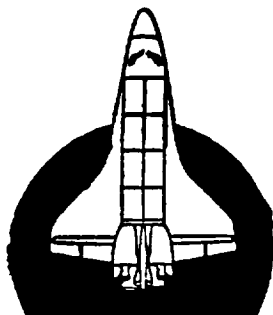
National Aeronautics and
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**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/11

NOVEMBER 1980



**SHUTTLE LAUNCH
MARCH 1981**

NASA/RECON User's
Pocket Guide

Update Your
Stored Searches

CONTENTS

PAGE

NASA/RECON User's Pocket Guide for File
Collection D (Documents)

1

Update Your Stored Searches

1-3

New RECON Users

3

Several copies of a recently developed pocket guide to assist both new and experienced RECON users have been included in the mailing of this issue of Bulletin. We hope that each RECON operator will find the guide useful. Extra copies are available upon request.

The NASA/RECON system now provides all users in the field a readily available technique for monthly updating of all stored searches. Without this technique, it is difficult for field users to determine what has been added to the files from month to month.

Each four weeks the accession numbers that have been added to the data base are readily identified at the Facility. Those accession numbers are used in a stored search for immediate retrieval by terminal ID43 and may be used by others as limits for all users' stored searches. The update accession numbers are given a stored search name of STORE followed by the first three letters of the month covered by the stored search ---- STOREOCT, STORENOV, STOREDEC, etc.

As the stored updating searches "belong" to ID43, it is necessary that any other user give proper identification to the central computer by indicating the ID number; thus, any user may execute the search with the following command:

QUERY EXECUTE STOREOCT(ID43)

RECON operational problems may be directed to the RECON Coordinator at the NASA Scientific and Technical Information Facility in Baltimore, Maryland, (Telephone: (301)-796-5300 ext. 286) or Washington, D. C. (Telephone: (202)-621-1910

ext. 286). Other problems, suggestions, and comments may be directed to Buford Smith or John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

Stored searches have been designed to limit the citations in Set 99 to the proper range of accession numbers for all file series that have been added to the NASA Data Base within the preceding four weeks.

To update, the analyst EXECUTES his or her stored searches of immediate interest. Upon completion, the analyst enters the results into Set 99 with the KEEP command.

K Set No., e.g., KEEP 12

QUERY EXECUTE STOREOCT(ID43) will limit the accessions in Set 99 to the latest range.

Caution: Set 99 will only hold 1052 citations. We therefore recommend that the user, prior to execution of the stored search, limit the search results to 1980 (or 1981) by entering

LA 80 (LIMIT ALL 80)
or
LA 81 (LIMIT ALL 81)

Try it on AIRSAFE(ID43) stored on the D File Collection. The results are shown below.

ENTER:QUERY DISPLAY STOREOCT(ID43)

```

      LIST OF COMMANDS IN STOREOCT
01 L 99/BO/A/47367-51201
02 L 99/BO/M/30272-32322
03 L 99/BO/K/10887-19999
04 L 99/BO/M/75322-76267
05 L 99/BO/X/10103-10229
06 L 99/BO/X/74890-75437
07 L 99/BO/V/44276-50254

```

This is how QUERY
DISPLAY STOREOCT(ID43)
looks.

LIMIT-ALL ACCEPTED /BO

ENTER:QUERY EXECUTE AIRSAFE(ID43)

```

1L 223 223 ST/AIRCRAFT SAFETY
2L 2 2 UTP/AIRCRAFT *+1 SAFETY
3L 3 3 AX/AIRCRAFT *+1 SAFETY
4L 33 33 ST/ACCIDENT PREVENTION
5L 13 13 ST/AIRCRAFT
6L 74 222 1+2+3+4+5
END SEQUENCE AIRSAFE EXECUTION

```

ENTER:KEEP 6
KEEP 6

This will appear on
the screen after QUERY
EXECUTE AIRSAFE(ID43)
is transmitted.

ENTER:QUERY EXECUTE STOREOCT(ID43)

```

7L 0 }99/BO/A/47367-51201
8L 5 }99/BO/M/30272-32322
9L 0 }99/BO/K/10887-19999
10L 0 }99/BO/M/75322-76267
11L 0 }99/BO/X/10103-10229
12L 0 }99/BO/X/74890-75437
13L 0 }99/BO/V/44276-50254

```

This will appear on
the screen after SET
STATUS is transmitted.

ENTER:DISPLAY 8/1
DISPLAY 08/1/1-5
BON32297 BON31757 BON31473 BON31376 BON30285

NASA intends to publicize and promote the Stored Search feature of RECON. Additional examples on the stored search feature will be highlighted in the next few Bulletins to help develop skills in using this command. In summary, with our monthly limits, you should find your tasks considerably eased.

New RECON Users

The NASA RECON user community is being expanded to include additional NASA contractors, universities, and other government agencies doing NASA work. To insure smooth startup activities and to allow adequate time for effective training, NASA is currently limiting the addition of these new users to ten per month. The first ten will be added in December. These users and the current dial-in users will be offered Telenet at \$7.00 per connect hour. Other charges for the dial-in contractors group will be in accordance with the prevailing rates contained in the agreement between the Facility and the user. Telenet charges for each user will be billed by the Facility and not by GTE/Telenet.



National Aeronautics and
Space Administration

**Scientific and Technical
Information Branch**

RECON User's Bulletin

80/12

DECEMBER 1980

CONTENTS

PAGE

Editing the Stored Search

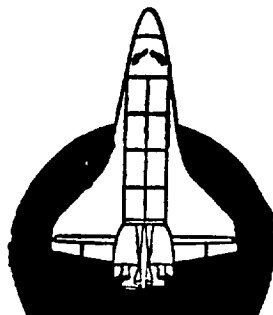
1

RECON Training

1

Season's Greetings

3



**SHUTTLE LAUNCH
MARCH 1981**

Editing the Stored Search

Any Stored Search held on NASA/RECON data files can be LISTED, DISPLAYED, EXECUTED, or EDITED at any RECON terminal--Provided the USERID of the search "owner" is known.

No edited version of a Stored Search can replace the original search, nor can it be purged, unless the user has the same USERID as the creator, i.e., the search can be replaced, or purged, only at the originating terminal. However, a user can store an edited version of any Stored Search by use of the QUERY SAVE command. The user simply gives the edited version a different name and his USERID becomes the "owner" of the search.

Command sequences in a Stored Search may be ALTERED; they may be DELETED; and additional commands may be ADDED to the stored sequence.

Here's a way to change a Stored Search command, and a way to add two more Subject Terms to the Stored Search AIRSAFE (ID43). See Page 2.

RECON Training

The first group of new users will be trained at the Facility on January 13 and 14, 1981. The group will include Bell Aerospace TEXTRON, Fluidyne, Georgia Tech, Honeywell Electro-Optics Center, Lockheed-Georgia, Lockheed Palo Alto, MIT Lincoln Lab, Perkin-Elmer, and Vought.

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ext. 286). Other problems, suggestions, and comments may be directed to Buford Smith or John Wilson (Telephone: (202)-755-3465, NASA Headquarters, Code NST-42, Washington, D. C. 20546).

EDITING A STORED SEARCH

1. CHANGING A COMMAND
2. ADDING NEW COMMANDS

EXPLANATION

BB BEGIN SEARCH BYPASS

ENTER: QUERY EDIT AIRSAFEID43J
HFRIN MODIFICATIONS TO AIRSAFE

TELL COMPUTER YOU WANT TO EDIT
AIRSAFE

ENTER: QUERY DISPLAY
LIST OF COMMANDS IN MODIFIED AIRSAFE

IN EDIT MODE SEARCH NAME NOT
REQUIRED

01 S AIRCRAFT SAFETY
02 S UTP/AIRCRAFT **1 SAFETY
03 S AX/AIRCRAFT **1 SAFETY
04 S ACCIDENT PREVENTION
05 S AIRCRAFT
06 C 01+02+03+04+05

ENTER: QUERY ALTER S/S AIRCRAFT DESIGN
LINE 5 ALTERED

CHANGE COMMAND #5 TO S AIRCRAFT
DESIGN

ENTER: SELECT AIRCRAFT RELIABILITY
1 1620 1620 ST/AIRCRAFT RELIABILITY

ADD TERM

ENTER: SELECT SAFETY DEVICES
2 1513 1513 ST/SAFETY DEVICES

ENTER: QUERY DISPLAY
LIST OF COMMANDS IN MODIFIED AIRSAFE

DISPLAY AIRSAFE COMMANDS AS
MODIFIED

01 S AIRCRAFT SAFETY
02 S UTP/AIRCRAFT **1 SAFETY
03 S AX/AIRCRAFT **1 SAFETY
04 S ACCIDENT PREVENTION
05 S AIRCRAFT DESIGN
06 C 01+02+03+04+05
07 S AIRCRAFT RELIABILITY
08 S SAFETY DEVICES

ENTER: COMBINE 06+07+08
COMBINE 6+7+8

CM107: INVALID SET NUMBER ARGUMENT

DON'T LET THIS BOTHER YOU. WE ARE WORKING
WITH COMMANDS - SETS WILL BE GENERATED
ON QUERY EXECUTE

ENTER: QUERY DISPLAY
LIST OF COMMANDS IN MODIFIED AIRSAFE

01 S AIRCRAFT SAFETY
02 S UTP/AIRCRAFT **1 SAFETY
03 S AX/AIRCRAFT **1 SAFETY
04 S ACCIDENT PREVENTION
05 S AIRCRAFT DESIGN
06 C 01+02+03+04+05
07 S AIRCRAFT RELIABILITY
08 S SAFETY DEVICES
09 C 06+07+08

AIRSAFE(ID43) AS MODIFIED

ENTER: QUERY REPLACE AIRSAFE

REPLACES STORED SEARCH IF IT IS
YOURS. KEEPS SAME NAME

QUERY SAVE AIRSMOD

SAVES MODIFIED SEARCH AS
AIRSMOD-AIRSAFE REMAINS STORED

Season's Greetings

The NASA Scientific and Technical Information Branch at NASA Headquarters joins the NASA STI Facility in transmitting Season's Greetings to all of our friends in the field.

Merry Christmas



NASA STI FACILITY WILL BE CLOSED DECEMBER 25 and 26,
and JANUARY 1.